

# *Robert Zeidman*



10981 Willow Valley Ct  
Las Vegas, NV 89135  
Tel (650) 741-5809  
Email [Bob@ZeidmanConsulting.com](mailto:Bob@ZeidmanConsulting.com)  
Website [www.ZeidmanConsulting.com](http://www.ZeidmanConsulting.com)

## **PROFESSIONAL SUMMARY**

Bob Zeidman has management experience in the founding and daily operation of various high-tech companies as well as hands-on experience designing, analyzing, and reverse-engineering hardware and software. Mr. Zeidman is considered a pioneer in the fields of analyzing and synthesizing software source code and the creator of the field of Software Forensics. He is also considered one of the leading experts in the Verilog hardware description language as well as ASIC and FPGA design. He has written several engineering texts and regularly teaches courses in these areas at conferences throughout the world. Mr. Zeidman is also an experienced and well-regarded expert in intellectual property disputes. He is certified in the use of CodeSuite®. He holds a B.A. in Physics and a B.S. in Electrical Engineering from Cornell University and a master's degree in Electrical Engineering from Stanford University.

## **EXPERIENCE**

### 10/1987 - present: Zeidman Consulting - founder and president

- Provides engineering hardware and software design services to companies.
- Provides engineering support and expert witnesses for high-tech litigation.

### 8/2007 - present: Software Analysis and Forensic Engineering Corporation - company founder and president

- Software tools for intellectual property litigation.
- Created patented CodeSuite® software including BitMatch®, CodeCLOC®, CodeCross®, CodeDiff®, CodeMatch®, and SourceDetective® for efficiently finding correlation between source code files of different programs.
- Developed CodeSuite-MP for running CodeSuite® on multiple cores of a multicore processor.
- Architected CodeGrid for running CodeSuite® on a supercomputer grid.

### 8/2020 - present: Good Beat Games - founder and president

- Online gaming company.
- Initially focusing on poker: Good Beat Poker.

### 12/2013 - present: Firtiva Corporation - founder and president

- Streaming media company.

### 1/2002 – 5/2023: Zeidman Technologies - founder and president

- Software tools for embedded software development.
- Created patented SynthOS® software that automatically synthesizes source code for a real time operating system.
- Created patented Molasses® virtualization software that enables a slow speed hardware emulator or prototype to be attached to a high-speed network to emulate network hardware in a live system.

### 1/2003 - 4/2008: Semizone.com - advisor

- Web-based training for engineers.
- Advisor on issues relating to e-learning content, development, presentation, and delivery.
- Instructor for various electrical engineering courses.

1/1999 - 12/2002: The Chalkboard Network - founder and president

- Web-based training for engineers and business professionals.
- Developed Depth Control®, a unique instructional design methodology for Web-based training.

1/1997 - 12/1997: Apple Computer - consultant

7/1995 - 9/1995

- Firmware development for a multimedia projection system.
- Firmware development for the Apple Studio Display, an advanced flat panel monitor.

7/1996 - 12/1996: Hitachi Computer Products (America) - consultant

- Helped define an architecture and functional specification for an ATM switch.

10/1995 - 6/1996: Cisco Systems - consultant

3/1995 - 10/1995

10/1994 - 1/1995

- Wrote Verilog behavioral models and developed a Verilog simulation environment for a 10baseT switch.
- Performed schematic capture, Verilog design, and simulation of an FDDI hub.
- Performed schematic capture, Verilog design, and simulation of an ATM router.

5/1997 - 6/1997: Quickturn Design Systems - consultant

3/1995 - 7/1995

1/1994 - 2/1994

5/1993 - 6/1993

- Designed custom memory boards for emulation of a supercomputer.

7/1993 - 3/1994: Adaptive Video - consultant

- Managed a team designing DSP-based medical imaging boards.

1/1993 - 3/1993: Wireless Access - consultant

- Supervised the design of an FPGA-based prototype for a telecommunications encoding and decoding scheme.

1/1992 - 4/1999: eVAULT Remote Backup Service - founder and president

- Invented the concept of remote backup.
- Set up a remote backup system with a central file server and communication lines including ISDN.
- Wrote remote backup software for DOS, Windows, and OS/2 including a GUI, a backup scheduler and file compression, encryption, and communication routines.

6/1991 - 9/1991: STEP Engineering - consultant

- Reviewed and optimized RISC hardware and software.

12/1990 - 8/1991: Ricoh Corporation - consultant

- Led a team that designed four RISC-based controllers for laser printers, scanners, faxes, and copiers.

9/1989 - 11/1990: DAVID Systems - consultant

- Designed network interface boards for 10BaseT, 10Base2, and FOIRL.
- Led an international team that tested an AMI encoding scheme and designed an ASIC for a digital phone set.

5/1993 - 8/1993: Ikos Systems - consultant

8/1992 - 2/1993

3/1988 - 8/1989

- Designed a high speed SBUS to MXIbus interface and a high-speed controller for a parallel processor.
- Architected, designed, and wrote diagnostic software for a RISC-based controller for a simulation accelerator.

10/1987 - 10/1988: Stanford University - consultant

- Led a team of graduate students under Professor Mike Flynn in the design and testing of a neural network memory.

1/1986 - 3/1988: Telestream Corporation - staff engineer

- Developed an architecture model for a telecom parallel processor system.
- Modeled, simulated, and tested a proprietary bus.
- Designed a telecom processing element ASIC.
- Designed a telecom system backplane.

9/1985 - 12/1985: American Supercomputers - staff engineer

- Designed a data cache and the register section logic for a CRAY compatible supercomputer.
- Assisted with the implementation of a behavioral simulator.

1/1985 - 8/1985: ROLM Corporation - staff engineer

- Simulated, debugged, and tested cache and memory control ASICs for a minicomputer.
- Microcoded the character string instructions.

4/1983 - 12/1984: Signetics Corporation - staff engineer

- Project leader for a CMOS DMA Interface chip (68431).
- Simulated a TTL VME bus controller chip (68172).
- Redesigned and simulated an oxide isolated ISL Enhanced Video Attribute Controller chip (2675T).
- Simulated a TTL Disk Phase Locked Loop chip (68459).
- Created a standard procedure for developing ASICs.

## **LITIGATION CONSULTING**

11/2021 – present: Motorola Solutions, Inc. v. Hytera Communications Corporation Ltd., et al.

Law Firm: Steptoe LLP

Client: Hytera

Court: U.S. District Court, Northern District of Illinois

Case: 1:17-cv-01973

- Copying of mobile radio software
- Reviewed source code
- Compared software code using CodeSuite
- Wrote expert reports
- Testified at deposition
- Testified at contempt hearing

11/2021 – present: USA v. Hytera Communications Corporation Ltd., et al.

Law Firm: Steptoe LLP

Client: Hytera

Court: U.S. District Court, Northern District of Illinois

Case: 1:20-CR-00688

- Copying of mobile radio software
- Reviewed source code
- Compared software code using CodeSuite
- Wrote expert report

6/2022 present Nextpulse, LLC v. Brunswick Corporation

Law Firm: GCA Law Partners

Client: Nextpulse

Court: Superior Court of The State of California, County of San Francisco

Case: Case No. CGC-18-571065

- Alleged misappropriation of confidential software
- Reviewed source code
- Compared software code using CodeSuite
- Testified at deposition

4/2022 – 2/2023: Suzhou Angela Online Game Technology and Imperium Interactive Entertainment v. Snail Games USA and Wildcard Properties

Law Firms: Hughes Hubbard & Reed / Blue Peak Law Group and Quinn Emanuel Urquhart & Sullivan

Client: Court (neutral)

Court: U.S. District Court, Central District of California

Case: 2:21-cv-9552-CAS-SK and 2:22-cv-2009-CAS-SK

- Alleged copying of online game software
- Reviewed source code
- Compared software code using CodeSuite
- Wrote expert report
- Testified at deposition

3/2022 – 12/2022: Insuraprise, Inc. vs. Universal Fidelity Life Insurance Company, et al.

Law Firm: Icenogle & Boggins

Client: Universal Fidelity Life Insurance Company

Court: 459<sup>th</sup> Judicial District Court of Travis County, Texas

Cause: D-1-GN-18-003277

- Alleged trade secret theft of Medicare Supplemental Insurance customer management software
- Wrote expert report
- Testified at deposition

Testified at deposition

2/2022 – 8/2023: Karma Automotive v. Lordstown Motors Corp.

Law Firm: Fisher & Phillips / Seyfarth Shaw

Client: Karma Automotive

Court: U.S. District Court, Central District of California

Case: 8:20-cv-02104-JVS-DFM

- Alleged copying of automotive control software.
- Reviewed source code
- Compared software code using CodeSuite
- Wrote declarations and expert report
- Testified at deposition

2/2022 – 9/2022: Allscripts v. Andor Health

Law Firm: Barnes & Thornburg

Client: Allscripts

Court: U.S. District Court, District of Delaware

Case: 1:21-CV-00704-MAK G

- Alleged copying and reverse engineering of Electronic Health Records (EHR) applications

- Reviewed source code
- Compared software code using CodeSuite
- Wrote expert report
- Testified at deposition

12/2021 – 6/2022: Solas OLED v. Samsung Electronics

Law Firm: Russ August & Kabat

Client: Solas OLED

Court: U.S. District Court, Eastern District of Texas, Marshal Division

Case: 2:21-cv-00105-JRG

- Alleged patent infringement of capacitive touch screens
- Wrote expert report
- Testified at deposition

8/2021: Neodron Ltd. v. Cypress Semiconductor

Law Firm: Russ August & Kabat

Client: Neodron

Court: U.S. District Court, Western District of Texas

Case: 6:20-cv-523-ADA

- Alleged patent infringement of capacitive touch screens

7/2021 – 8/2021: Neodron Ltd. v. STMicroelectronics

Law Firm: Russ August & Kabat

Client: Neodron

Court: U.S. District Court, Western District of Texas

Case: 6:20-cv-560

- Alleged patent infringement of capacitive touch screens

2/2021 – 9/2022: AC Technologies and Via Vadis v. Amazon

Law Firm: DiNovo Price Ellwanger & Hardy

Client: AC Technologies and Via Vadis

Court: U.S. District Court, Western District of Texas

Case: 1:14-cv-813

- Alleged patent infringement of peer-to-peer BitTorrent file sharing protocol
- Wrote expert report
- Testified in deposition

12/2020 – 9/2021: Qualcomm v. Monterey Research

Law Firm: Desmarais

Client: Monterey Research

Court: Patent Trial and Appeal Board

Case: IPR2020-01493

- Alleged patent infringement of programmable devices.
- Wrote expert declaration
- Testified in deposition

12/2020 - 9/2021: Advanced Micro Devices v. Monterey Research

Law Firm: Desmarais

Client: Monterey Research

Court: Patent Trial and Appeal Board

Case: IPR2020-01315

- Alleged patent infringement of transistor output buffer circuit
- Wrote expert declaration
- Testified in deposition

12/2020 - 9/2021: Advanced Micro Devices v. Monterey Research

Law Firm: Desmarais

Client: Monterey Research

Court: Patent Trial and Appeal Board

Case: IPR2020-00989

- Alleged patent infringement of programmable devices
- Wrote expert declaration
- Testified in deposition

8/2020 - present: ImageKeeper v. Wright National Flood Insurance Services

Law Firm: Duane Morris

Client: Wright National Flood Insurance Services

Court: United States District Court, District of Nevada.

Case: 2:20-cv-01470-GMN-VCF

- Alleged trade secret theft of flood insurance claim adjuster software
- Wrote expert declarations
- Testified in deposition

7/2020 – 9/2023: Wavell v. Zwerling, et al.

Law Firm: Callahan & Blaine

Client: Wavell

Court: Judicial Arbitration & Mediation Services, Orange County, California

Case: 1200055354

- Alleged trade secret theft of financial analysis software
- Wrote expert declarations
- Testified in deposition

6/2020 – 1/2021: In re: Tiktok, Inc.

Law Firm: Freed Kanner London & Millen / Carlson Lynch

Client: Plaintiffs

Court: U.S. District Court, Northern District Of Illinois, Eastern Division

Case: 20-cv-4699

- Class action lawsuit about consumer privacy
- Computer source code review

12/2019 – 6/2023: EcoFactor v. ecobee

Law Firm: Russ August & Kabat

Client: EcoFactor

Court: U.S. District Court, Western District of Texas, Waco Division

Case: 6:20-cv-00078-ADA

- Alleged patent infringement of smart thermostats and smart HVAC systems
- Wrote expert report
- Testified in deposition
- Testified at trial

12/2019 – 12/2021: EcoFactor v. ecobee

Law Firm: Russ August & Kabat

Client: EcoFactor

Court: U.S. International Trade Commission

Case: 337-TA-1258

- Alleged patent infringement of smart thermostats, smart HVAC systems, smart HVAC control systems, and components thereof
- Wrote expert reports
- Testified at hearing

9/2019 – 2/2024: HOV Services v. ASG Technologies Group

Law Firm: Stokes Lawrence

Client: ASG Technologies Group

Court: U.S. District Court, Southern District of New York

Case: 1:18-cv-09780-PKC

- Alleged breach of contract involving enterprise information and IT system management solutions
- Compared software code using CodeSuite
- Wrote expert declaration
- Testified in deposition
- Testified at trial

8/2019 – 4/2021: Knowmadics v. LDX

Law Firm: SKS LAW / Lister-Beaupré

Client: LDX

Court: Ontario Superior Court of Justice, Canada

Case: 7-CV-74995

- Alleged copyright infringement of location monitoring and tracking software
- Compared software code using CodeSuite
- Wrote expert reports
- Testified in deposition

7/2019 – 7/2021: Exegy and IP Reservoir v. Activ Financial

Law Firm: Harness, Dickey & Pierce

Client: Exegy

Court: U.S. District Court, Northern District of Illinois

Case: ILND 1:19-cv-02858

- Alleged patent infringement of network devices for real-time financial market data
- Wrote three expert declarations for IPR
- Testified in three depositions for IPR

7/2019 – 3/2021: Neodron v. Samsung, Microsoft, Amazon, Lenovo, Motorola, Dell, and HP

Law Firm: Russ August & Kabat

Client: Neodron

Court: U.S. International Trade Commission

Case: Inv. No. 337-TA-1162

- Alleged patent infringement of capacitive touch screens
- Wrote expert reports
- Testified in two depositions

6/2019 - 11/2019: iReviewNow & SecurTest v. Datamaxx Applied Technologies

Law Firm: Ausley & McMullen,

Client: iReviewNow & SecurTest

Venue: American Arbitration Association

Case: 01-18-0004-6193

- Alleged breach of contract and trade secret theft of a system for verifying and authenticating background reports and consumer records
- Wrote a declaration and an expert report
- Testified at arbitration hearing

5/2019 – 5/2020: ECI Software Solutions. v. John Plyler Plumbing and Hardware, Olshan Lumber Company, Prosperity Computer Solutions, Greg Matatall, Wade Frazier, and Ed Baldrige

Law Firm: Lewis Brisbois Bisgaard & Smith

Client: Prosperity Computer Solutions

Court: U.S. District Court, Northern District of Texas

Case: 3:18-cv-02758-S

- Alleged copyright infringement and trade secret theft of enterprise resource planning software
- Wrote expert report
- Testified in deposition

10/2018 – 2/2020: Automotive Data Solutions v. Directed Electronics Canada

Law Firm: Trojan Law Offices

Client: Automotive Data Solutions

Court: U.S. District Court, Central District of California

Case: 2:18-cv-01560-GW-E

- Alleged copyright infringement of aftermarket automobile remote starter devices
- Alleged trade secret misappropriation of aftermarket automobile remote starter devices
- Compared software code using CodeSuite
- Wrote expert reports
- Testified in deposition

6/2018 - 3/2019: Sarine Technologies v. Diyora & Bhanderi, et al.

Client: neutral expert appointed by the court

Court: Commercial Court at Vadodara, Gujarat, India

Case: Commercial Trademark Suit No. 8 of 2017

- Alleged copyright infringement of diamond imaging software
- Compared code using CodeSuite
- Wrote an expert report
- Affirmed as an expert by the Supreme Court of India

4/2018 – 06/2020: Home Semiconductors v. Samsung Electronics

Law Firm: TechKnowledge Law Group

Client: Home Semiconductors

Court: United States District Court, District of Delaware

Case: Civil Action 13-2033-RGA

- Alleged patent infringement of memory hardware
- Performed research
- Prepared expert report

4/2018 - 5/2018: The State of Missouri v. Eric Greitens

Law Firm: St. Louis Circuit Attorney's Office

Client: The State of Missouri

Court: 22nd Circuit Court, Missouri

Case: Cause No. 1822-CR00642

- Alleged criminal privacy violation
- Researched, analyzed, and compared smartphone camera shutter sounds
- Researched smartphone mechanism for transmission of pictures
- Wrote expert reports
- Testified in deposition

1/2018 - 9/2019: Video Gaming Technologies v. Castle Hill Studio, et al

Law Firm: Saul Ewing Arnstein & Lehr

Client: Castle Hill Studios

Court: U.S. District Court, Northern District of Oklahoma

Case: 17-cv-454-GKF-JF

- Alleged trade secret misappropriation of Class II gaming software
- Compared software code using CodeSuite
- Wrote an expert report
- Testified in deposition



12/2017 - 9/2018: U.S. Ex Rel Maria Uchytel v. Avnade, et al.

Law Firm: Lowe Graham Jones PLLC

Client: Maria Uchytel

Court: U.S. District Court, Western District of Washington

Case: C12-2091-JCC

- Alleged fraudulent procurement of government contracts for computer software
- Compared software code using CodeSuite
- Wrote expert report
- Testified in deposition

1/2017 – 6/2018: CamSoft Data Systems v. Southern Electronics Supply Company, et al.

Law Firm: Melancon Rimes

Client: CamSoft Data Systems

Court: 19th Judicial District Court, Parish of East Baton Rouge, State of Louisiana

Case: Docket No. 582,741

- Alleged trade secret misappropriation of wireless network configuration technology
- Wrote an expert report
- Testified in deposition

12/2016 - 11/2018: Papst Licensing v. Apple, LG Electronics, ZTE Corporation, Samsung Electronics, Lenovo, Motorola Mobility, and Huawei Technologies

Law Firm: DiNovo Price Ellwanger

Client: Papst Licensing

Court: U.S. District Court, Eastern District of Texas, Tyler Division

Case: Civil Action No. 6:15-cv-1095

- Alleged patent infringement of mobile phones
- Read patents
- Examined mobile phones
- Analyzed software source code
- Wrote expert reports
- Testified in 6 depositions
- Testified at trial

9/2016 - 9/2017: CSS v. Christopher Herrington, Gene Yoho and Compiled Technologies

Law Firm: Robinson & McElwee

Client: Christopher Herrington, Gene Yoho and Compiled Technologies

Court: U.S. District Court, Southern District of West Virginia, Charleston Division

Case: Civil Action 2:16-cv-01762

- Alleged copyright infringement of government document management software
- Alleged trade secret misappropriation of government document management software
- Compared software code using CodeSuite
- Wrote an expert report
- Testified in two depositions

7/2016 - 1/2017: Commonwealth of MA v. Figueroa, et al.

Law Firm: Committee for Public Counsel Services

Client: Figueroa, et al.

Court: Massachusetts District Court and Boston Municipal Court

Case: 1248CR1075

- Supervised a team of engineers analyzing and testing Draeger Alcotest breathalyzer hardware and firmware for accuracy, consistency, and reliability.

5/2016 - 2/2020: In re Papst Licensing GmbH & Co. KG Patent Litigation

Law Firm: Desmarais

Client: Papst Licensing GmbH & Co. KG  
Court: U.S. District Court, District of Columbia  
Case: Miscellaneous Action No. 07-493-RMC

- Alleged patent infringement of camera interface software
- Read patents and proposed a claim construction
- Wrote a declaration
- Testified in deposition
- Testified at Markman hearing

1/2016 - 6/2016: Verasonics v. Alpinion Medical Systems

Law Firm: Davis Wright Tremaine  
Client: Verasonics  
Venue: American Arbitration Association, International Centre for Dispute Resolution  
Case: 01-15-0002-9484

- Alleged trade secret theft of software for an ultrasound research platform
- Compared software code using CodeSuite
- Wrote a declaration and an expert report
- Testified at arbitration hearing

12/2015 - 2/2017: ACI Worldwide v. MasterCard Technologies

Law Firms: Faegre Baker Daniels / Robins Kaplan  
Client: ACI Worldwide  
Venue: U.S. District Court, District of Nebraska  
Case: 8:14cv-00031

- Alleged trade secret theft of financial transaction middleware
- Compared software code using CodeSuite
- Wrote declarations and expert reports
- Testified at depositions

10/2015 - 6/2017: Phoenix Technologies v. VMware

Law Firm: Cooley  
Client: Phoenix Technologies  
Venue: U.S. District Court, Northern District of California, Oakland Division  
Case: 5:15-cv-01414

- Alleged copyright infringement of BIOS code
- Compared software code using CodeSuite
- Wrote two expert reports
- Testified at deposition
- Testified at trial

7/2015 - 5/2016: Oracle America v. Google

Law Firm: Orrick, Herrington & Sutcliffe  
Client: Oracle America  
Court: U.S. District Court, Northern District of California  
Case: C 10-03561 WHA

- Software copyright infringement of Java API packages
- Wrote expert report
- Testified in deposition

2/2015 - present: Intellisoft v. Acer America

Law Firm: Balaban & Spielberger  
Client: Intellisoft  
Court: Superior Court of California, County of Santa Clara  
Case: 1-14-CV-272381

- Alleged trade secret misappropriation of power management hardware and software
- Examined personal computer hardware and software
- Read patents
- Read industry specifications
- Wrote expert reports
- Testified twice at deposition

2/2015 - 1/2016: NNG v. Ava Enterprises

Law Firm: Lewis Roca Rothgerber Christie

Client: NNG, Kft

Court: U.S. District Court, Central District of California

Case: 2:2014-CV-00220

- Alleged copyright infringement of GPS navigation software
- Wrote expert report

10/2014 - 4/2018: ObjectiVision v. Visionsearch Pty Ltd and University of Sydney

Law Firms: K&L Gates / Marque Lawyers / Allens

Client: ObjectiVision

Court: Federal Court of Australia

Case: NSD 385 of 2014

- Alleged copyright infringement of software for a visual electrophysiology device
- Compared software code using CodeSuite
- Researched algorithms
- Wrote expert reports
- Collaborated in an expert conclave
- Testified in trial

10/2014 - 6/2016: AAMP of America v. Automotive Data Solutions

Law Firm: Trojan Law Offices

Client: Automotive Data Solutions

Court: U.S. District Court, Middle District of Florida, Tampa Division

Case: 8:13-cv-2019-T-35TGW

- Alleged patent infringement of aftermarket stereo interface devices
- Wrote expert reports
- Participated in inter partes review
- Testified in two depositions

11/2013 - 9/2014: United Services Automobile Association v. Mitek Systems

Law Firm: Wilson Sonsini Goodrich & Rosati / Scheper Kim & Harris

Client: Mitek Systems

Court: U.S. District Court, Western District of Texas, San Antonio Division

Case: SA-12-CA-0282-FB

- Alleged trade secret misappropriation of mobile banking and check imaging software
- Alleged patent infringement of mobile banking and check imaging software
- Analyzed software and examined specifications
- Wrote expert reports

6/2013 - 1/2014: Cellebrite Mobile Synchronization v. Micro Systemation

Law Firm: Pearl Cohen Zedek Latzer Baratz

Client: Cellebrite Mobile Synchronization

Court: U.S. District Court, Virginia Eastern District Court, Alexandria Division

Case: 1:13-cv-01014-TSE-TRJ

- Alleged copyright infringement and trade secret misappropriation of mobile device forensic software

- Compared software code using CodeSuite
- Wrote an expert report

4/2013 - 12/2015: Audionics System v. AAMP of Florida

Law Firm: Trojan Law Offices

Client: Audionics System

Court: U.S. District Court, Central District of California, Western Division

Case: 2:12-cv-10763-MMM-JEM

- Alleged patent infringement of aftermarket stereo interface devices
- Wrote expert reports
- Testified in two depositions

2/2013 - 5/2017: Metropolitan Health Corporate v. Neil Harvey Associates

Law Firm: Kritzing & Co / Attorneys Zumpt

Client: Metropolitan Health Corporate

Venue: Western Cape High Court, Cape Town, South Africa

Case: 10264/2010

- Alleged copyright infringement of healthcare administration software
- Compared software code using CodeSuite
- Wrote expert reports

10/2012 - 12/2012: E-Tech USA v. 2lemetry

Law Firm: Reed Smith

Client: 2lemetry

Court: U.S. District Court, District of Colorado

Case: cv-03371-REB-KMT

- Alleged trade secret misappropriation of cloud platform software
- Compared software code using CodeSuite
- Wrote an expert report

8/2012 - 4/2015: Round Rock Research v. SanDisk

Law Firm: Desmarais

Client: Round Rock Research

Court: U.S. District Court, District of Delaware

Case: 12-569 (SLR)

- Alleged patent infringement of flash memory devices
- Analyzed hardware and firmware and examined specifications
- Wrote expert reports
- Testified twice in deposition
- Testified twice in court

8/2012 - 4/2015: SanDisk v. Round Rock Research

Law Firm: Desmarais

Client: Round Rock Research

Court: U.S. District Court, Northern District of California

Case: 1-cv-05243-RS

- Alleged patent infringement of flash memory devices
- Analyzed hardware and firmware and examined specifications
- Wrote expert reports
- Testified in deposition

7/2012 - 5/2013: Kenneth C. Henry v. Petrolink v. Digital Well File

Law Firms: Wright & Close; Martin, Disiere, Jefferson & Wisdom

Client: neutral expert

Court: District Court of Harris County, Texas, 133<sup>rd</sup> Judicial District

Case: 2010-08178

- Alleged copyright infringement of real-time decision-making software for oilfield data
- Alleged trade secret theft
- Compared software code using CodeSuite
- Wrote two expert reports

7/2012 - 6/2013: Elan Microelectronics v. Pixcir Microelectronics

Law Firm: Alston & Bird

Client: Elan Microelectronics

Court: U.S. District Court, District of Nevada

Case: 2:10-cv-00014-GMN-(PAL)

- Alleged patent infringement of capacitive touch controller hardware and software

1/2012 - 5/2014: Intellectual Ventures v. Altera, Microsemi, Lattice Semiconductor, and Xilinx

Law Firm: Desmarais

Client: Intellectual Ventures

Court: U.S. District Court, District of Delaware

Case: C.A. No. 10-1065-LPS

- Alleged patent infringement of FPGA and ASIC integrated circuits
- Examined schematics and Verilog code
- Wrote expert reports
- Testified at two depositions

1/2012 - 6/2014: ThinkOptics v. Nintendo of America, et al.

Law Firm: Nix Patterson & Roach

Client: ThinkOptics

Court: U.S. District Court, Eastern District of Texas, Tyler Division

Case: 6:2011cv00454

- Alleged patent infringement of video game controller hardware
- Wrote expert reports
- Testified at two depositions

1/2012 - 9/2012: E-Micro Corporation v. Google, et al.

Law Firm: Nix Patterson & Roach

Client: E-Micro

Court: U.S. District Court, Eastern District Of Texas, Tyler Division

Case: 6:11-CV-465 (JDL)

- Alleged patent infringement of mobile commerce software

7/2011 - 12/2011: Facebook v. Power Ventures

Law Firm: Orrick, Herrington & Sutcliffe

Client: Facebook

Court: U.S. District Court, Northern District of California

Case: 5:08-cv-05780 JW (HRL)

- Alleged copyright infringement of social network software
- Alleged trademark infringement of social network software
- Alleged DMCA violation
- Alleged violation of the CAN-SPAM Act
- Alleged violation of the Computer Fraud and Abuse Act ("CFAA")
- Alleged violation of the California Comprehensive Computer Data Access and Fraud Act
- Alleged unfair competition
- Wrote expert report

4/2011 - 4/2014: Motorola Mobility, Google v. Microsoft

Law Firm: Sidley Austin

Client: Microsoft

Court: U.S. District Court, Southern District of Florida

Case: 1:10-cv-2406J-MORENO

- Alleged patent infringement of voicemail software
- Alleged patent infringement of graphics software
- Analyzed patents
- Examined source code
- Wrote expert reports
- Testified in deposition

8/2010 - 3/2011: Cross Match Technologies v. Suprema and Mentalix

Law Firm: Latham & Watkins

Client: Cross Match Technologies

Court: U.S. International Trade Commission

Investigation: 337-TA-720

- Alleged patent infringement of fingerprint scanning and imaging software
- Analyzed patents
- Examined source code
- Compared software code using CodeSuite
- Wrote an expert report
- Testified in deposition

7/2010 - 4/2011: Xpoint Technologies v. Symantec

Law Firm: Quinn Emanuel Urquhart & Sullivan

Client: Symantec

Court: U.S. District Court, District of Delaware

Investigation: 09-CV-0026 (SLR)

- Alleged patent infringement of backup software
- Analyzed patents
- Examined software
- Wrote an expert report

4/2010 - 7/2012: Brocade v. A10 Networks

Law Firms: Orrick, Herrington & Sutcliffe; McDermott, Will & Emery

Client: Brocade

Court: U.S. District Court, Northern District of California, San Jose Division

Case: C 10-03428 LHK (PSG)

- Alleged copying of software for network controllers
- Compared software code using CodeSuite
- Measured software development using CodeCLOC
- Wrote an expert report and several declarations
- Testified in deposition
- Testified at trial

3/2010 - 9/2010: Datamaxx v. Computer Products of Illinois

Law Firm: Ausley & McMullen

Client: Computer Products of Illinois

Court: U.S. District Court, Northern District Of Florida, Tallahassee Division

Case: 4:09cv435-RH/WCS

- Alleged copying of software to enable law enforcement
- Compared software code using CodeSuite
- Wrote a declaration and a rebuttal expert report

- Testified in deposition

2/2010 - 7/2010: SplitFish v. Bannco

Law Firm: Finnegan, Henderson, Farabow, Garrett & Dunner

Client: SplitFish

Court: U.S. District Court, Northern Eastern District of Virginia, Alexandria Division

Case: I:10cv297

- Preliminary injunction against defendant granted
- Alleged copying of firmware for video game controllers
- Compared software code using CodeSuite
- Wrote two declarations

12/2009 - 7/2013: Robin Antonick v. Electronic Arts

Law Firm: Kecker & Van Nest

Client: Electronic Arts

Court: U.S. District Court, Northern District of California

Case: 3:11-cv-01543-CRB (EDL)

- Contract dispute
- Examined source code and binary code
- Compared software code using CodeSuite
- Wrote expert reports
- Testified in deposition
- Testified in court

10/2009-11/2009: Sigma Six Technologies and Sigma Six Consulting. v. Nagarro and T-Systems Enterprise Services.

Law firm: Ropers, Majeski, Kohn & Bentley PC

Client: Nagarro

Court: U.S. District Court, Northern District of California

Case: C 08-05633 JW

- Alleged trade secret infringement case involving enterprise client user interface software

8/2009 - 11/2010: Zynga v. Green Patch

Law firm: Quinn Emanuel Urquhart & Sullivan

Client: Zynga

Court: U.S. District Court, Northern District of California

Case: CV-09-3636 SC (EMC)

- Alleged copyright infringement case involving web-based social networking game software
- Compared software code using CodeSuite
- Wrote two declarations and an expert report

8/2009 - 5/2012: De Lage Landen Operational Services v. Third Pillar Systems

Law Firm: Wilson Sonsini Goodrich & Rosati

Client: Third Pillar Systems

Court: U.S. District Court, Eastern District of Pennsylvania

Case: 09-cv-02439-HB

- Alleged trade secret misappropriation and contract dispute involving lending and leasing software
- Compared software code using CodeSuite
- Wrote an expert report and a rebuttal expert report
- Testified in deposition
- Testified at trial

2/2009 - 10/2009: Minden Schipper & Associates v. Cancercare Manitoba (Varian Medical Systems)

Client: Varian Medical Systems

Court: Queen's Bench, Winnipeg Centre, Canada

Case: CI 05-01-45377

- Alleged trade secret misappropriation and copying of oncology diagnosis expert system software.
- Compared software code using CodeSuite
- Wrote an expert report

11/2008 - 1/2010: Applied Materials v. Advanced Micro-Fabrication Equipment Co.

Law firm: Goodwin Procter

Client: Applied Materials

Court: U.S. District Court, Northern District Of California

Case: C07 05248 JW (PVT)

- Alleged copying of software for semiconductor manufacturing machines
- Compared software code using CodeSuite
- Wrote expert reports
- Testified in deposition

9/2008 - 9/2009: Abanco Investments v. GuestLogix

Law firm: Patterson, Thunte, Skaar & Christensen

Client: GuestLogix

Court: U.S. District Court, Northern District of Illinois

Case: 07 C 1071

- Alleged trade secret theft involving point-of-sale software
- Compared software code using CodeSuite
- Wrote an expert report

9/2008 - 3/2010: Personnel Department v. CareerBuilder

Law firm: Jones, Day, Reavis & Pogue

Client: CareerBuilder

Court: U.S. District Court, District of Vermont

Case: 2:08-cv-59-wks

- Alleged trade secret theft involving resume building software
- Compared software code using CodeSuite
- Wrote an expert report

9/2008 - 12/2008: Honeywell, Metrologic, OmniPlanar v. Datalogic

Law firm: Robins, Kaplan, Miller & Ciresi

Client: OmniPlanar

Court: U.S. District Court, District of New Jersey

Case: 1:2008cv05234

- Alleged copyright infringement and trade secret theft involving bar code scanner firmware
- Compared software code using CodeSuite

7/2008-10/2008: Facebook v. StudiVZ

Law firm: Orrick, Herrington & Sutcliffe

Client: Facebook

Court: U.S. District Court, Northern District of California

Case: 5:08-CV-03468 JF

- Alleged copyright infringement case involving web-based social networking software
- Compared software code using CodeSuite

4/2008 - 12/2010: Esbin & Alter v. Zappier, et al.

Law firm: Alter & Alter

Client: Esbin & Alter

Court: U.S. District Court, Southern District of New York

Case: 08 Civ. 313



- Contract dispute case involving billing and document management software
- Compared software code using CodeSuite
- Wrote two declaration and two expert reports

4/2008 - 12/2008: Piper Jaffray v. Vermilion Capital Management

Law firm: Patterson, Thunte, Skaar & Christensen

Client: Vermilion Capital Management

Court: Minnesota District Court, Fourth Judicial District, County of Hennepin

Case: 07-20203

- Alleged trade secret case involving stock market technical analysis software
- Compared software code using CodeSuite
- Wrote an expert report

4/2008 - 11/2008: Intelligraphics v. Marvell Semiconductor

Law firm: Sommers and Schwartz

Client: Intelligraphics

Court: U.S. District Court, Northern District Of California, San Francisco Division

Case: C-07-2499 JCS

- Contract dispute case involving WLAN firmware and drivers
- Compared software code using CodeSuite
- Wrote an expert report
- Testified at deposition

3/2008 - 8/2008: Optovue v. Carl Zeiss Meditec

Law firm: Nixon Peabody

Client: Carl Zeiss Meditec

Court: U.S. District Court, Northern District of California, Oakland Division

Case: C 07-03010 CW

- Alleged copyright/trade secret theft case involving optical coherence tomography software
- Compared software code using CodeSuite
- Wrote an expert report

2/2008 - 4/2008: Gemstar v. Digeo

Law firm: Ropes & Gray

Client: Gemstar

Court: U.S. District Court, Central District of California, Western Division

Case: CV-06-6519

- Alleged patent infringement case involving program guide displays
- Wrote an expert report

1/2008 - 4/2014: MSC Software v. Altair Engineering, et al.

Law firm: Dykema Gossett

Client: MSC Software

Court: U.S. District Court, Eastern District of Michigan, Southern Division

Case: 2:07-cv-12807

- Alleged trade secret theft case involving motion simulation software
- Compared software code using CodeSuite
- Wrote a declaration and an expert report
- Testified at a hearing
- Testified in deposition

5/2007 - 12/2008: The MathWorks v. COMSOL

Law firm: Jones, Day, Reavis & Pogue

Client: The MathWorks, Inc.

Court: U.S. District Court, Eastern District of Texas, Tyler Division

Case: 6:06-CV-335

- Alleged copyright infringement case involving mathematical modeling software
- Compared software code using CodeSuite

5/2007 - 12/2008: The MathWorks v. COMSOL

Law firm: Jones, Day, Reavis & Pogue

Client: The MathWorks, Inc.

Court: U.S. District Court, Eastern District of Texas, Tyler Division

Case: 6:06-CV-334

- Alleged patent infringement case involving mathematical modeling software

5/2007 - 6/2007: Third Party Verification v. SignatureLink

Law firm: Law Offices of Brian S. Steinberger

Client: Third Party Verification

Court: U.S. District Court, Middle District of Florida

Case: 6:06-cv-00415

- Alleged copyright infringement case involving web-based signature capture software
- Compared software code using CodeSuite
- Wrote an expert report

4/2007 - 7/2008: Symantec v. Commissioner of Internal Revenue

Law firm: Baker & McKenzie

Client: Symantec

Court: U.S. Tax Court

Case: 12075-06

- Software transfer pricing tax dispute
- Software comparison using CodeSuite and CLOC methodology
- Wrote an expert report
- Testified at trial

4/2007 - 5/2007: Kernius & Frise v. International Electronics

Law firm: Zito tlp

Client: Kernius & Frise

Case: 05-CV-1927

Court: U.S. District Court, District of Maryland

- Alleged patent infringement case involving modems and call waiting
- Wrote an expert report
- Testified in deposition

2/2007 - 8/2008: Quantum Research Group (Atmel) v. Apple, Cypress, Fingerworks

Law firm: Zito tlp, Sidley Austin

Client: Quantum Research Group (Atmel)

Court: U.S. District Court, District of Maryland

Case: 05-cv-03408-WMN

- Alleged patent infringement case involving capacitive sensing devices
- Assisted with claim construction
- Wrote an expert report
- Testified in deposition

8/2006 - 8/2007: AdTech RFID v. Adept Identification Technologies, et al.

Law firm: Wilson Sonsini Goodrich & Rosati

Client: Adept Identification Technologies

Court: Superior Court of Santa Clara County California

Case: 1:06-CV-057464

- Alleged trade secret theft case involving RFID software
- Compared software code using CodeSuite
- Wrote an expert report

6/2006 - 2/2007: Medinformatix v. AcerMed

Law firm: Timothy McGonigle

Client: MedInformatix

Arbitration: JAMS

Ref: 1220035252

- Alleged trade secret case involving electronic medical records software.
- Assisted with determination of trade secrets
- Compared software code using CodeSuite
- Wrote declarations
- Testified in deposition

5/2006 - 11/2006: Iconix v. NetPickle, et al.

Law firm: Orrick, Herrington & Sutcliffe

Client: NetPickle

Court: U.S. District Court, Northern District of California, Oakland Division

Case: 4:06-cv-02201

- Alleged copyright infringement case involving web-based presentation software
- Compared software code using CodeSuite
- Wrote a declaration
- Wrote an expert report
- Testified in deposition

4/2006 - 10/2006: Forgent v. Microsoft et al.

Law firm: Susman Godfrey

Client: Forgent

Court: U.S. District Court, Northern District of California, San Jose Division

Case: M:05-CV-01654

- Alleged patent infringement case involving JPEG encoding of pictures in files
- Reverse engineered video equipment

2/2006 - 5/2008: Rasterex Holdings v. Research in Motion

Law firm: Kilpatrick Stockton

Client: Rasterex Holdings

Court: Superior Court of Fulton County, State of Georgia

Case: 2003-cv-76785

- Alleged copyright infringement case involving mobile document translation and storage software
- Compared software code using CodeSuite
- Wrote an expert report
- Testified in deposition

2/2006 - 9/2006: Medinformatix v. Camtronics Medical Systems

Law firm: Timothy McGonigle

Client: MedInformatix

Court: U.S. District Court, Central District of California

Case: 2:05-cv-04829 SJO

- Alleged trade secret theft case involving electronic medical records software
- Assisted with determination of trade secrets
- Compared software code using CodeSuite
- Wrote declarations

8/2005 - 12/2007: Moneygram Payment Systems v. Enterprise Payment Solutions

Law firm: Michael Best & Friedrich

Client: Moneygram

Court: U.S. District Court, Eastern District of Tennessee

Case: 1:05-cv-00172

- Alleged copyright infringement case involving ACH financial software
- Compared software code using CodeSuite
- Wrote an expert report

8/2005 - 8/2006: Silvaco v. Specular

Law firm: Wilson Sonsini Goodrich & Rosati

Client: Specular

Court: Superior Court of Santa Clara County California

Case: 1:04-cv-031951

- Alleged trade secret case involving electronic design automation (EDA) software
- Compared software code using CodeSuite
- Wrote an expert report

7/2005-2/2008: ConnectU v. Facebook, et al.

Law firm: Orrick, Herrington & Sutcliffe

Client: Facebook

Court: U.S. District Court, District of Massachusetts

Case: 1:04-cv-11923

- Alleged copyright infringement case involving social network software
- Compared software code using CodeSuite

4/2005 - 3/2007: Merchant Transaction Systems, et al. v. Nelcela, et al.

Law firm: Lewis & Roca

Client: Merchant Transaction Systems/POST Integration/Ebocom

Court: U.S. District Court, District of Arizona

Case: 2:02-cv-01954

- Alleged copyright infringement involving credit card processing software
- Compared software code using CodeSuite
- Wrote an expert report
- Testified in deposition

4/2005: Brod v. Lev, et al.

Law firm: Wilson Sonsini Goodrich & Rosati

Client: Lev

Court: Superior Court of Santa Clara County California

Case: 1:03-cv-005813

- Alleged copyright infringement case involving Internet acceleration software
- Compared software code using CodeSuite

3/2005 - 12/2005: American Video Graphics v. Electronic Arts, et al.

Law firm: McKool Smith

Client: AVG

Court: U.S. District Court, Eastern District of Texas, Tyler Division

Case: 6:04-CV-398

- Alleged patent infringement case involving 3D graphics software algorithms
- Examined source code for over 50 video games
- Wrote claim charts for each video game

3/2005 - 12/2005: American Video Graphics v. Sony Corporation of America, et al.

Law firm: McKool Smith

Client: AVG

Court: U.S. District Court, Eastern District of Texas, Tyler Division

Case: 6:04cv399

- Alleged patent infringement case involving 3D graphics hardware algorithms
- Examined graphic chips

8/2004 - 12/2007: Creative Science Systems v. Forex Capital Markets

Law firm: Baker & McKenzie/Sommers and Schwartz

Client: Creative Science Systems

Court: U.S. District Court, Northern District of California

Case: 5:04-cv-03746

- Alleged copyright infringement involving web-based financial software
- Compared software code using CodeSuite
- Compared software object code
- Wrote a declaration and an expert report
- Testified in deposition

8/2004 - 3/2005: XIOTech v. Compellent Technologies, et al.

Law firm: Faegre & Benson

Client: Compellent

Court: Minnesota District Court, Fourth Judicial District, County of Hennepin

Case: 04-5065

- Alleged trade secret theft involving storage area network (SAN) software
- Compared software code using CodeSuite
- Compared features and researched prior art for storage area network (SAN) software
- Wrote an expert report

8/2004 - 9/2004: OpenTable v. Smart Restaurant Solutions

Law firm: Wilson Sonsini Goodrich & Rosati

Client: Smart Restaurant Solutions

Court: Superior Court of the State of California for the County of San Francisco

Case: CGC-03-424516

- Alleged copyright infringement involving restaurant management software
- Compared software code using CodeSuite
- Wrote an expert report

7/2004 - 2/2005: Zoran and Oak Technology v. MediaTek, et al.

Law firm: Wilson Sonsini Goodrich & Rosati /Hogan & Hartson

Client: MediaTek

Court: U.S. International Trade Commission

Investigation: 337-TA-506

- Alleged patent infringement involving CD-ROM/DVD controller hardware
- Examined VHDL for two CD-ROM/DVD controller chips to determine their architectures and implementations
- Wrote an expert report and created exhibits for trial
- Testified in deposition
- Testified at trial

4/2004 - 11/2004: Agere Systems v. Intersil

Law firm: Kirkland & Ellis

Client: Agere

Court: U.S. District Court, Eastern District of Pennsylvania

Case: 02-CV-08219, 02-CV-1544

- Alleged copyright infringement and contract dispute involving WLAN chips
- Compared firmware source code using CodeSuite
- Examined Verilog and VHDL source code
- Wrote an expert report and rebuttal to opposition expert report

4/2003 - 5/2003: Alvis v. Hewlett-Packard

Law firm: Drinker Biddle & Reath

Client: Hewlett Packard

Court: U.S. District Court, District Court of Jefferson County, Texas

Case: A-164,880

- Class action suit involving reliability of floppy disk drives and software patches
- Wrote an expert report
- Testified in deposition

4/2003 - 5/2003: MediaTek Software Clean Room Development Project

Law firm: MacPherson Kwok

Client: MediaTek

- Clean room code development
- Reviewed source code and compared different source code routines for similarities

3/2003 - 5/2003: Research In Motion v. Good Technology

Law firm: Jones, Day, Reavis & Pogue

Client: Research In Motion

Court: U.S. District Court, District of Delaware

Case: 02-556-JJF, 02-1286-JJF, 02-1338-JJF

- Alleged patent infringement case involving handheld wireless devices and supporting software
- Analyzed software code
- Assisted with deposition of opposing expert
- Wrote claim charts

8/2001 - 9/2001: Intel v. VIA Technologies

Law firm: Howrey Simon Arnold & White

Client: Intel

Court: U.S. District Court, Northern District of California

Case: C99-03062

- Alleged patent infringement case involving computer motherboards
- Examined computer motherboards for patent infringement

7/2001 - 4/2003: Intel v. VIA Technologies

Law firm: Dewey Ballantine/Brobeck, Phleger & Harrison

Client: Intel

Court: U.S. District Court, Western District of Texas

Case: A-01-CA-602-SS

- Alleged patent infringement cases involving CPUs and computer chipsets
- Assisted with claim construction
- Wrote test case software in assembly language
- Examined computer motherboards
- Analyzed Verilog code of CPUs
- Wrote several expert reports
- Wrote several claim charts

3/2001 - 3/2001: KRS Distributing v. Gatten Insurance

Law firm: Stone & Hiles

Client: Gatten Insurance

- Insurance claim
- Examined a fax machine to retrieve stored documents

7/1997 - 3/1999: Texas Instruments v. Hyundai Electronics Industries Co.

Law firm: Jones, Day, Reavis & Pogue

Client: Texas Instruments

Court: U.S. District Court, Eastern District of Texas

Case: 2:98CV74

- Alleged patent infringement involving semiconductor wafer handling hardware, software, and communication protocols
- Reverse engineered hardware and software in order to determine infringement.
- Constructed exhibits
- Assisted with the writing of expert reports
- Assisted with the writing of claim charts

8/1996 - 12/1996: Texas Instruments v. Samsung Electronics, et al.

Law firm: Jones, Day, Reavis & Pogue

Client: Texas Instruments

Court: U.S. District Court, Eastern District of Texas

Case: 2:96-CV-1, 2:96-CV-2

- Alleged patent infringement involving semiconductor wafer handling hardware, software, and communication protocols
- Reverse engineered hardware and software in order to determine infringement
- Constructed exhibits
- Assisted with the writing of expert reports
- Assisted with the writing of claim charts

2/1996 - 7/1996: Cirrus Logic v. Agarwal, et al.

Law firm: Morrison & Foerster

Client: Cirrus Logic

Court: Superior Court of Santa Clara County California

Case: CV 745373

- Alleged trade secret case involving semiconductors and LCD display technology
- Examined validity of trade secrets
- Reconstructed the history of an internal engineering project
- Researched prior art

## **HONORS, AWARDS, AND DISTINCTIONS**

### **Engineering and Science**

1. Fellow, Association of Cyber Forensics and Threat Investigators
2. 2018 CREST (Cupertino Recognizes Extra Steps Taken) Award, Innovator of the Year
3. Outstanding Engineer in a Specialized Field: For Pioneering Contributions to the Field of Forensic Software Analysis, IEEE Region 6 Central Area, 2015.
4. Outstanding Engineer in a Specialized Field: For Pioneering Contributions to the Field of Forensic Software Analysis, IEEE Santa Clara Valley Section, 2015.
5. Final Round, 2011 Jolt Awards, for the book The Software IP Detective's Handbook: Measurement, Comparison, and Infringement Detection.
6. Outstanding Engineer in a Specialized Field: For Innovative Contributions in the Area of Forensic Software Analysis, IEEE Santa Clara Valley Section, 2010.

7. Session's Best Paper Award, The 11th World Multi-Conference on Systemics, Cybernetics and Informatics, 2007.
8. The Number 5 Programmable Logic "How To" article of 2006, Programmable Logic DesignLine newsletter.
9. Finalist, Design News magazine 2006 Golden MouseTrap Award: Design and Development Software Tools, for SynthOS.
10. Winner, Software Development magazine 2003 Jolt Reader's Choice Award for the book *Designing with FPGAs and CPLDs*.
11. Senior Member, ACM
12. Senior Member, IEEE
13. Top PLD/FPGA News and Feature Article for 2003, CMP Media
14. Winner, Wyle/EE Times American By Design Contest, 1994
15. Stanford Graduate Engineering Fellowship
16. Eta Kappa Nu (Electrical Engineering honor society)
17. Association for Educational Data Systems Honorable Mention
18. Bausch & Lomb Honorary Science Award

### **Writing and Filmmaking**

1. PenCraft Book Award Winner: First Place for Fiction: Cultural category, 2022, for the novel *Animal Lab*.
2. American Book Award Winner: Science Fiction: Post-Apocalyptic category, 2022, for the novel *Animal Lab*.
3. Readers Favorite, Silver Medal: Fiction – Dystopia category, 2022, for the novel *Animal Lab*.
4. Florida Authors and Publishers Association's President's Book Awards, Bronze Medal: Adult Fiction – Fantasy category, 2022, for the novel *Animal Lab*.
5. Next Generation Indie Book Awards, Finalist: Current Events category, 2022, for the novel *Animal Lab*.
6. Book Excellence Award, Finalist: Suspense category, 2022, for the novel *Animal Lab*.
7. The BookFest Award, Second Place: Society, War & Political Collapse category, Spring 2022, for the novel *Animal Lab*.
8. Wishing Shelf Independent Book Award, Adult Fiction 2022 Finalist, for the novel *Animal Lab*.
9. Firebird Book Award, Social/Political Change category, 2022, for the novel *Animal Lab*.
10. Literary Titan Book Award, Silver Award Winner, January 2022, for the novel *Animal Lab*.
11. Indies Today Awards, Semi-Finalist, Suspense/Thriller category, 2021, for the novel *Animal Lab*.
12. Southern California Book Festival, Honorable Mention, Wild Card category, 2022, for the novel *Animal Lab*.
13. Thriller of the Month, February 2014, for the novel *Horror Flick*.
14. Indie Excellence 2013 Winner, Humor category, for the novel *Good Intentions*.
15. Indie Excellence 2013 Finalist, Political Thriller category, for the novel *Good Intentions*.
16. Honorable Mention, 2013 San Francisco Book Festival, for the novel *Horror Flick*.
17. Pinnacle Book Achievement Award 2012 for the novel *Good Intentions*.



18. Semifinalist, November 2011 Amazon Studios Best Kids and Family Script Award, for the screenplay *The Amazing Adventure of Edward and Dr. Sprechtmachen*.
19. Semifinalist, October 2011 Amazon Studios Best Script Award, for the screenplay *The Amazing Adventure of Edward and Dr. Sprechtmachen*.
20. Semifinalist, September 2011 Amazon Studios Best Script Award, for the screenplay *The Amazing Adventure of Edward and Dr. Sprechtmachen*.
21. Semifinalist, August 2011 Amazon Studios Best Script Award, for the screenplay *The Amazing Adventure of Edward and Dr. Sprechtmachen*.
22. Semifinalist, July 2011 Amazon Studios Best Script Award, for the screenplay *The Amazing Adventure of Edward and Dr. Sprechtmachen*.
23. Semifinalist, June 2011 Amazon Studios Best Sci-Fi/Action Script Award, for the screenplay *The Amazing Adventure of Edward and Dr. Sprechtmachen*.
24. Semifinalist, June 2011 Amazon Studios Best Script Award, for the screenplay *The Amazing Adventure of Edward and Dr. Sprechtmachen*.
25. Semifinalist, 2004 Cinequest Screenwriting Competition, for the screenplay *The Amazing Adventure of Edward and Dr. Sprechtmachen*.
26. Second Place, 2002 Autumn Moon Productions Screenplay Awards, for the screenplay *Horror Flick*.
27. Third Place, 2002 Autumn Moon Productions Screenplay Awards, for the screenplay *The Amazing Adventure of Edward and Dr. Sprechtmachen*.
28. First Place, 2001 Focus on Writers Contest, for the screenplay *Horror Flick*.
29. Special Mention Winner, 2001 Screenwriting Showcase Awards, for the screenplay *Horror Flick*.
30. Honorary Mention, 2002 Autumn Moon Productions Screenplay Awards, for the screenplay *Sex and Violence*.
31. Finalist, 2001 Empyrion Screenplay Competition, for the screenplay *Sex and Violence*.
32. Finalist, 2001 New Century Writer Awards, for the screenplay *Horror Flick*.
33. Top Ten Finalist, 2001 Tennessee Screenwriting Association Competition, for the screenplay *The Amazing Adventure of Edward and Dr. Sprechtmachen*.
34. Top Finalist, BDR 2000 Productions New Millennium Screenplay 2001 Contest, for the screenplay *Horror Flick*.
35. Certificate of Merit, 2002 International Screenplay Competition, for the screenplay *Horror Flick*.
36. Certificate of Merit, 2002 International Screenplay Competition, for the screenplay *The Amazing Adventure of Edward and Dr. Sprechtmachen*.
37. Certificate of Merit, 2002 International Screenplay Competition, for the screenplay *Sex and Violence*.
38. Semifinalist, 2001 WordsFromHere Contest, for the screenplay *Horror Flick*.
39. Semifinalist, 2001 Venice Arts Screenwriting Competition, for the screenplay *Horror Flick*.
40. Semifinalist, 2001 National Screenwriting Competition, for the screenplay *Horror Flick*.
41. Semifinalist, 2001 National Screenwriting Competition, for the screenplay *Sex and Violence*.
42. Quarterfinalist, 2001 Fade In: Screenwriting Awards, for the screenplay *The Amazing Adventure of Edward and Dr. Sprechtmachen*.
43. Quarterfinalist, Texas Film Institute 2001 Screenplay Competition, for the screenplay *Horror Flick*.

44. Certificate of Merit, Writer's Digest 2000 National Self-Published Book Awards, for the novel *Horror Flick*.
45. Semifinalist, 2000 poetry.com North American Open Poetry Contest, for the poem *I Remember*.
46. Quarterfinalist, 1999 New Century Writer Awards, for the novel *Horror Flick*.
47. Quarterfinalist, 1999 New Century Writer Awards, for the screenplay *The Amazing Adventure of Edward and Dr. Sprechtmachen*.
48. Third Place, 1998 Magnum Opus Discovery Awards of the C.C.S. Entertainment Group and the Hollywood Film Festival, for the novel *Horror Flick*.
49. Quarterfinalist, 1998 Empire Screenplay Contest, for the screenplay *Sex and Violence*.
50. A reading of my screenplay *Sex and Violence* was performed by the Independent Media Artists Group (IMAGE), on August 15, 1998.
51. Vermont Studio Center scholarship to attend a one-month writing retreat, April 1998.
52. Semifinalist, 1997 Monterey County Film Contest, for the screenplay *Sex and Violence*.
53. First Place, 1993 Foster City Annual Writer's Contest, for unpublished short story *The Contest*.
54. Semifinalist, 1993 national Syndicated Fiction Project, for unpublished short story *The Contest*.
55. First Place, 1990 Foster City Annual Writer's Contest, for unpublished short story *The Lost and Found Virginity*.
56. 1989 Philadelphia International Film Festival showing of the short film *Writer's Block*, which I produced, wrote, directed, edited, and mixed.
57. First Place, 1988 Fremont Film Festival, for the short film *February 20, 1988*, which I produced, wrote, directed, edited, and mixed.

### **Miscellaneous**

1. Policy Fellow, Nevada Policy.
2. Albert Nelson Marquis Lifetime Achievement 2018.
3. United Synagogue Award for Excellence
4. Biography in Who's Who in America
5. University Unions Distinguished Service Award
6. Phi Beta Kappa
7. Ivy League Honor Society
8. Alpha Lambda Delta honor society
9. Dual Degree Program, Cornell University
10. National Merit Scholarship
11. Literary Society Foundation Award Gold Medal, Excellence in German
12. Literary Society Foundation Award Bronze Medal, Excellence in German
13. Rumsey Scholarship, Cornell Club of Philadelphia
14. City of Philadelphia Scholarship
15. School District of Philadelphia Scholarship
16. Fourth Prize, Colonial Philadelphia Historical Society Essay Contest
17. Founder, Delaware Valley Teen Mensa

## SPECIAL KNOWLEDGE AND SKILLS

- CodeSuite certified.
- Software source code analysis and synthesis
- Computer architectures: AMD 29000, CRAY XMP, Data General MV8000, IBM PC, IDT R4650, Intel 8051, Intel x86 family, Motorola 68000, 68HC11, 68HC08, 68HC05, TI TMS320Cxx, TMS340xx
- Networking protocols: ATM, Ethernet
- Buses: ADB, EISA I<sup>2</sup>C, ISA, MXI, PCI, SBUS, VME
- Hardware programming languages: ABEL, AHDL, CUPL, PALASM, Verilog, VHDL
- Software programming languages: APL, BASIC, C, C++, Delphi, FOCAL, FORTRAN, Java, LISP, Pascal, Perl, PHP, PL/1, PowerBuilder, SQL, Visual BASIC, various assembly, machine languages
- Operating systems: AOS/VS, MSDOS, UNIX, VMS, Windows 3.1/NT/9x/2000/Me/XP/Vista/7/8/10/11
- Workstations: Apple Macintosh, Daisy, IBM PC, Hewlett Packard, SUN, VALID
- Electronic Design Automation (EDA)
- CAD tools: Concept, Futurenet, MAX+Plus II (Altera), MDE (LSI Logic), Mentor, Orcad, PROcapture, P-CAD, Schema, Viewlogic, XACT (Xilinx)
- Simulation accelerators: Mentor Graphics, Cadence Design Systems
- Hardware emulators: Mentor Graphics, Cadence Design Systems
- ASIC design
- FPGA and CPLD design: Actel, Altera, Lattice, Xilinx
- Miscellaneous design experience: Cache memory, telecommunications, data communications, digital signal processing (DSP), digital logic (CMOS, ECL, TTL), analog
- Patent infringement
- Trade secret theft
- Copyright infringement
- Plagiarism detection
- Solid state theory
- Information theory

## EDUCATION

Master of Science in Electrical Engineering, 1982, Stanford University  
Bachelor of Science with distinction in Electrical Engineering, 1981, Cornell University  
Bachelor of Arts cum laude in Physics and with distinction in all subjects, 1981, Cornell University  
De Anza College Film Department, 1987 - 1990

## BOOKS

1. Bob Zeidman, *Election Hacks*, Swiss Creek Publications, Las Vegas, NV, 2023, 280 pp.
2. Bob Zeidman, *Animal Lab*, Swiss Creek Publications, Las Vegas, NV, 2021, 128 pp.
3. Bob Zeidman, *Just Enough Electronics to Impress Your Friends and Colleagues*, Swiss Creek Publications, Cupertino, CA, 2013, 214pp.
4. Bob Zeidman, *The Software IP Detective's Handbook: Measurement, Comparison, and Infringement Detection*, Prentice-Hall, Upper Saddle River, NJ, 2011, 450pp.
5. Clive Maxfield, *FPGAs: World Class Designs*, Elsevier Inc., Burlington, MA, 2009, Chapter 1 (reprint).
6. Ashby, Baker, Ball, Crowe, Hayes-Gill, Hickman, Kester, Mancini, Grout, Pease, Tooley, Williams, Wilson, Zeidman, *Circuit Design: Know It All*, Elsevier Inc., Burlington, MA, 2008, Chapters 27-29 (reprint).
7. R. C. Cofer, Clive Maxfield, Bob Zeidman, Richard Munden, Rick Gentile, *Newnes FPGAs: Ebook Collection*, Elsevier Science & Technology Books, Burlington, MA, 2008 (reprint).

8. Bob Zeidman, *Designing with FPGAs and CPLDs*, CMP Books, Lawrence, KS, 2002, 220pp.
9. Bob Zeidman, *Introduction to Verilog*, IEEE Press, Piscataway, NJ, 2000, 99pp.
10. Bob Zeidman, *Verilog Designer's Library*, Prentice-Hall, Upper Saddle River, NJ, 1999, 411pp.
11. Bob Zeidman, *Good Intentions*, Swiss Creek Publications, Cupertino, CA, 2012, 259pp.
12. Bob Zeidman, *Horror Flick*, Swiss Creek Publications, Cupertino, CA, 1999, 341pp.
13. Bob Zeidman, *The Amazing Adventure of Edward and Dr. Sprechtmachen*, Swiss Creek Publications, Cupertino, CA, 1998, 73pp.

## PAPERS AND PRESENTATIONS

1. Zeidman, Bob, "A Gold Standard for Clean Room Development to Protect From Intellectual Property Infections" *International In-House Counsel Journal*, <https://www.iiij.net/library/detail?key=1809>, December 5, 2023.
2. Zeidman, Bob, "How I Won \$5 Million From the MyPillow Guy and Saved Democracy" *Politico*, <https://www.politico.com/news/magazine/2023/05/26/my-pillow-mike-lindell-investigation-00097903>, May 26, 2023.
3. Zeidman, Bob, "Preventing an IP Infection: Clean Room Development Procedure" *IPWatchdog*, <https://ipwatchdog.com/2023/04/29/preventing-an-ip-infection-clean-room-development-procedure/id=160187>, April 29, 2023.
4. Zeidman, Bob, "Clean Room Development to Prevent the Spread of 'Infectious IP'" *IPWatchdog*, <https://ipwatchdog.com/2023/04/22/clean-room-development-to-prevent-the-spread-of-infectious-ip/id=159864>, April 24, 2023.
5. Zeidman, Bob, "Can a Human Patent a Space Alien's Invention?" *IPWatchdog*, <https://www.ipwatchdog.com/2022/09/17/can-human-patent-space-aliens-invention/id=151391>, September 17, 2022.
6. Zeidman, Bob, "The Supreme Court is Set to Hear a Copyright Case with Big Implications for U.S. Tech Innovation," *IPWatchdog*, <https://www.ipwatchdog.com/2022/08/15/supreme-court-set-hear-copyright-case-big-implications-u-s-tech-innovation/id=150902>, August 15, 2022.
7. "Protecting Software Globally with U.S. Copyrights," Shelowitz Law Group, [https://us02web.zoom.us/rec/share/SRDSdzdaFIAGq1-xJsh8ltc6ZZyuOiJrCWJckZe7CDXy\\_\\_6S-bszIIHDR-lmHONw.jemkTykKvKPx8C\\_Q](https://us02web.zoom.us/rec/share/SRDSdzdaFIAGq1-xJsh8ltc6ZZyuOiJrCWJckZe7CDXy__6S-bszIIHDR-lmHONw.jemkTykKvKPx8C_Q) (passcode: k2irg!LA), June 23, 2021.
8. Zeidman, Bob, "Clarifying the U.S. Approach to Copyright and Plagiarism," *IPWatchdog* (<https://www.ipwatchdog.com/2019/08/06/clarifying-u-s-approach-copyright-plagiarism>), August 6, 2019.
9. Zeidman, Bob, "The History of Digital Game Intellectual Property from Atari to Zynga," Vintage Computer Festival West, August 5, 2018.
10. Zeidman, Bob, "Oracle v. Google: Protecting Software Development, Not Destroying It," *IPWatchdog* (<http://www.ipwatchdog.com/2018/07/15/oracle-v-google-protecting-software-development/id=99359>), July 16, 2018.
11. Zeidman, Bob, "RPost Does Not Meet Any Definition of 'Patent Troll,'" *IPWatchdog*, (<http://www.ipwatchdog.com/2017/12/05/rpost-not-patent-troll/id=90783>), December 5, 2017.
12. Zeidman, Robert, et al., In The Supreme Court of the United States, Brief of a Group of Inventors, Entrepreneurs, and Small Business Owners as Amici Curiae in Support of Petitioner, RPost Communications Limited, RMail Limited, RPost International Limited And RPost Holdings Incorporated, Petitioners, V. GoDaddy.com LLC Respondent, No. 17-695, December 1, 2017.
13. Zeidman, Bob, "Was MS-DOS code copied from CP/M?" Vintage Computer Festival West, August 6, 2016.

14. Zeidman, Bob, "Facebook, Oculus, ZeniMax, and Nonliteral Copying of Code" *IPWatchdog* (<http://www.ipwatchdog.com/2017/02/07/facebook-oculus-zenimax-nonliteral-copying-code>), February 7, 2016.
15. Zeidman, Bob, "What If Someone Steals Your Code?" Better Software, Fall 2016.
16. Zeidman, Bob, "Source Code Comparison of DOS and CP/M," Journal of Computer and Communications (<http://www.scirp.org/journal/PaperInformation.aspx?PaperID=71259>), Vol.4 No.12, October 2016.
17. Zeidman, Bob, "Was DOS copied from CP/M?" *Embedded.com* (<http://www.embedded.com/electronics-blogs/say-what-/4442498/Was-DOS-copied-from-CPM->), August 6, 2016.
18. Zeidman, Bob, "Software, Hard Case," *Legaltech News* ([http://www.lawtechnews-digital.com/lawtechnews/august\\_2016?sub\\_id=4m2w4egdq99X&folio=30&pg=30#pg30](http://www.lawtechnews-digital.com/lawtechnews/august_2016?sub_id=4m2w4egdq99X&folio=30&pg=30#pg30)), August 2016.
19. Zeidman, Bob and Gupta, Eashan, "Why Libertarians Should Support a Strong Patent System" *IP Frontline* (<http://ipfrontline.com/2016/03/why-libertarians-should-support-a-strong-patent-system>), March 15, 2016.
20. Zeidman, Bob, "Not Getting the Truth about the FBI, Apple, the San Bernardino Terrorists, and Hacking an iPhone" *IPWatchdog* (<http://www.ipwatchdog.com/2016/02/22/youre-not-hearing-the-truth-about-the-fbi-apple-the-san-bernardino-terrorists-and-hacking-an-iphone>), February 22, 2016.
21. Zeidman, Bob, "Drawing Accurate Forensic Conclusions," *Digital Forensics*, Issue 26 (<https://zeidmanconsulting.com/documents/Drawing%20Accurate%20Forensic%20Conclusions%20-%20Digital%20Forensics%20magazine%20-%20Feb%20%202016.pdf>), February 2016.
22. Zeidman, Bob and Gupta, Eashan, "Why Libertarians Should Support a Strong Patent System" *IPWatchdog* (<http://www.ipwatchdog.com/2016/01/05/why-libertarians-should-support-a-strong-patent-system>), January 5, 2016.
23. Zeidman, Bob, "The Anti-Marcus Lemonis Principle for Succeeding In Business," RealClearMarkets ([http://www.realclearmarkets.com/articles/2015/12/02/the\\_anti-marcus\\_lemonis\\_principle\\_for\\_succeeding\\_in\\_business\\_101899.html](http://www.realclearmarkets.com/articles/2015/12/02/the_anti-marcus_lemonis_principle_for_succeeding_in_business_101899.html)), December 2, 2015.
24. Zeidman, Bob, "An Overview of Software Forensics," *IP Frontline* (<http://ipfrontline.com/2015/10/an-overview-of-software-forensics>), October 27, 2015.
25. Zeidman, Bob, "RISC needs to make a comeback," *Embedded Computing Design*, (<http://embedded-computing.com/guest-blogs/risc-needs-to-make-a-comeback>), September 15, 2015.
26. Zeidman, Bob, "Are wearables wearing thin?" *IT World*, (<http://www.itworld.com/article/2979834/internet-of-things/are-wearables-wearing-thin.html>), September 3, 2015.
27. Zeidman, Bob, "An inventor's perspective on patent reform" *The Hill* (<http://thehill.com/blogs/congress-blog/technology/250593-an-inventors-perspective-on-patent-reform>), August 10, 2015.
28. Zeidman, Bob, "How much does your thermostat know about you?" *IT World*, (<http://www.itworld.com/article/2952744/internet-of-things/how-much-does-your-thermostat-know-about-you.html>), July 30, 2015.
29. Zeidman, Bob, "Living in a multi-processor world," *Embedded Computing Design*, (<http://embedded-computing.com/guest-blogs/living-in-a-multi-processor-world>), June 19, 2015.
30. Zeidman, Bob, "Software Forensics: Qualifying Tools and Experts Who Use Them" *IPWatchdog* (<http://www.ipwatchdog.com/2014/10/31/software-forensics-qualifying-tools-and-experts>), October 31, 2014.

31. Zeidman, Bob, "Software Forensics: Objectively Proving Infringement or Misappropriation" *IPWatchdog* (<http://www.ipwatchdog.com/2014/10/27/software-forensics-objectively-proving-infringement-or-misappropriation>), October 27, 2014.
32. Zeidman, Bob, "Misunderstanding Plagues the Patent System" *Electronic Design* (<http://electronicdesign.com/embedded/misunderstanding-plagues-patent-system>), July 23, 2014.
33. Zeidman, Bob, "Sloppy, Misleading Yale Paper Challenges University Patenting" *IPWatchdog* (<http://www.ipwatchdog.com/2014/07/15/sloppy-misleading-yale-paper-challenges-university-patenting>), July 15, 2014.
34. Zeidman, Bob, "ASOS: A new software development paradigm for the Internet of Things" *Embedded.com* (<http://www.embedded.com/design/operating-systems/4431826/NEW--ASOS--A-new-software-development-paradigm-for-the-Internet-of-Things---Part-1--Basic-building-blocks> and <http://www.embedded.com/design/operating-systems/4431775/2/ASOS--A-new-RTOS-paradigm-for-the-Internet-of-Things---Part-2--Building-a-project-file>), June 30, 2014.
35. Zeidman, Bob, "A Code Correlation Comparison of the DOS and CP/M Operating Systems" *Journal of Software Engineering and Applications* (<http://www.scirp.org/journal/PaperInformation.aspx?PaperID=46362#.U4WDefldWCU>), May 27, 2014.
36. Zeidman, Bob, "The bogeymen destroying the patent system" *San Jose Mercury News* ([http://www.mercurynews.com/opinion/ci\\_25579281/bob-zeidman-bogeymen-destroying-patent-system](http://www.mercurynews.com/opinion/ci_25579281/bob-zeidman-bogeymen-destroying-patent-system)), April 17, 2014.
37. Zeidman, Bob, "Fortune Magazine's Unusual Position on Non-Practicing Entities" *IPWatchdog* (<http://www.ipwatchdog.com/2014/04/10/fortune-magazines-unusual-position-on-non-practicing-entities>), April 10, 2014.
38. Zeidman, Bob, "Did Bill Gates Steal the Heart of DOS?" *IEEE Spectrum* (<http://spectrum.ieee.org/computing/software/did-bill-gates-steal-the-heart-of-dos>), July 2012.
39. Zeidman, Bob, "This one really takes the cake—and the schematics," (<http://www.edn.com/electronics-blogs/tales-from-the-cube/4390916/This-one-really-takes-the-cake-and-the-schematics>) *EDN magazine*, July 2012.
40. Zeidman, Bob and Kovanis, Evan, "Round 2: Did Oracle Overlook the Smoking Gun in its Case against Google?" *IPWatchdog* (<http://www.ipwatchdog.com/2012/07/11/round-2-did-oracle-overlook-the-smoking-gun-in-its-case-against-google>), July 11, 2012.
41. Kovanis, Evan and Zeidman, Bob, "Did Oracle Overlook the Smoking Gun in its Case against Google?" *IPWatchdog* (<http://www.ipwatchdog.com/2012/06/26/did-oracle-overlook-the-smoking-gun-in-its-case-against-google>), June 26, 2012.
42. Melling, L. and Zeidman, B., "Comparing Android Applications to Find Copying," *Journal of Digital Forensics, Security and Law*, Vol. 7, No. 1, 2012.
43. Zeidman, Bob, "Program Identifiability: How easily can you spot your code?" *Embedded.com* (<http://www.embedded.com/design/embedded/4374526/Program-Identifiability--How-easily-can-you-spot-your-code->), June 7, 2012.
44. Zeidman, Bob, "Setting the Record Straight: Patent Trolls vs. Progress" *IPWatchdog* (<http://www.ipwatchdog.com/2012/05/01/setting-the-record-straight-patent-trolls-vs-progress>), May 1, 2012.
45. Baer, N. and Zeidman, B., "Measuring Whitespace Pattern Sequences as an Indication of Plagiarism," *Journal of Software Engineering and Applications* (<https://www.scirp.org/journal/paperinformation.aspx?paperid=18570>), April 2012.
46. Zeidman, Bob, "Will Congress Break the Internet?" *IPWatchdog* (<http://www.ipwatchdog.com/2012/02/08/will-congress-break-the-internet>), February 2, 2012.

47. Zeidman, Bob, "The Case of the Arrogant Expert," *Intellectual Property Today* (<https://zeidmanconsulting.com/documents/The%20Case%20of%20the%20Arrogant%20Expert.pdf>), February 2012.
48. Zeidman, Bob, "The Software IP Detective: Infringement Detection in a Nutshell," *IPWatchdog* (<http://www.ipwatchdog.com/2011/11/20/the-software-ip-detective-infringement-detection-in-a-nutshell>), November 20, 2011.
49. Zeidman, Bob, "How Do I Infringe Thee? Let Me Count the Ways," *InformIT* (<http://www.informit.com/articles/article.aspx?p=1750207&seqNum=3>), Sep 21, 2011.
50. Zeidman, Bob, "The history of digital game intellectual property from Atari to Zynga," The Museum of Art and Digital Entertainment, August 4, 2011.
51. Shay, I., Baer, N., and Zeidman, R., "Measuring Whitespace Patterns in Computer Source Code as an Indication of Plagiarism," *Intellectual Property Today* (<https://www.zeidmanconsulting.com/documents/Measuring%20Whitespace%20Patterns%20In%20Computer%20Source%20Code%20as%20an%20Indication%20of%20Copying.pdf>), October 2010.
52. Zeidman, B., "Software v. Software," *IEEE Spectrum* (<http://spectrum.ieee.org/computing/software/software-forensics-tools-enter-the-courtroom>) October 2010.
53. Shay, I., Baer, N., and Zeidman, R., "Measuring Whitespace Patterns as an Indication of Plagiarism," ADFSL Conference on Digital Forensics, Security and Law (<https://www.zeidmanconsulting.com/documents/Measuring%20Whitespace%20Patterns%20as%20an%20Indication%20of%20Plagiarism.pdf>), May 20, 2010.
54. Hoehn, T. and Zeidman, R., "Measuring the Speedup of a Commercial Application on a Computer Grid," ISCA 22nd International Conference On Parallel And Distributed Computing And Communication Systems ([http://www.safe-corp.com/documents/Measuring\\_Speedup\\_of\\_a\\_Commercial\\_Application\\_on\\_a\\_Computer\\_Grid.pdf](http://www.safe-corp.com/documents/Measuring_Speedup_of_a_Commercial_Application_on_a_Computer_Grid.pdf)), September 24, 2009.
55. Zeidman, R., "DUPE: The Depository of Universal Plagiarism Examples," 5th International Conference on IT Security Incident Management & IT Forensics (<http://www.safe-corp.com/documents/DUPE.pdf>), September 2009.
56. Baer, N. and Zeidman, B., "Measuring Changes in Software with CLOC," *Embedded.com* (<http://www.embedded.com/design/prototyping-and-development/4008330/Measuring-Changes-in-Software-with-CLOC>), July 28, 2009.
57. Baer, N. and Zeidman, B., "Measuring Changes in Software IP," *Intellectual Property Today* (<https://zeidmanconsulting.com/documents/Measuring%20Changes%20in%20Software%20IP.pdf>), June 2009.
58. Baer, N. and Zeidman, B., "Measuring Software Evolution with Changing Lines of Code," 24th International Conference on Computers and Their Applications (CATA-2009) ([https://zeidmanconsulting.com/documents/Measuring\\_Software\\_Evolution\\_with\\_Changing\\_Lines\\_of\\_Code.pdf](https://zeidmanconsulting.com/documents/Measuring_Software_Evolution_with_Changing_Lines_of_Code.pdf)), April 10, 2009.
59. Zeidman, B., "Detecting and Proving Software Theft and Infringement," SDForum: Emerging Tech SIG, December 10, 2008.
60. Zeidman, B., "Find Your Copy-Cats With SCC," *Software Test & Performance* (<https://xndev.com/articles/stp-2008-10.pdf>), October 2008, pp 18-23.
61. Zeidman, B., "Software Intellectual Property," invited guest lecture, NALSAR University of Law, Hyderabad, India, October 27, 2008.
62. Zeidman, B., "Detecting Stolen Code," EDAC Anti-Piracy Committee, June 12, 2008.

63. Zeidman, R., "Multidimensional Correlation of Software Source Code," The Third International Workshop on Systematic Approaches to Digital Forensic Engineering (<https://ieeexplore.ieee.org/document/4545376>), May 22, 2008.
64. Zeidman, B., "Getting Better Search Results," *Dr. Dobb's Journal* (<http://www.drdoobs.com/architecture-and-design/getting-better-search-results/207401584>) May 2008, pp 44-48.
65. Zeidman, B. and Baer, N., "What, Exactly, Is Software Trade Secret Theft?" (<https://zeidmanconsulting.com/documents/What,%20Exactly,%20is%20Software%20Trade%20Secret%20Theft.pdf>) *Intellectual Property Today*, March 2008.
66. Berger, A., Hill, M., and Zeidman, B., "Software and RTOS synthesis: The next step in software development?" *Programmable Logic Design Line* (<http://www.eetimes.com/design/programmable-logic/4015158/Software-and-RTOS-synthesis-The-next-step-in-software-development->), February 27, 2008.
67. Zeidman, R., "Iterative Filtering of Retrieved Information to Increase Relevance," *Journal of Systemics, Cybernetics and Informatics*, Vol. 5 No. 6, 2007, pp 91-96 (reprint).
68. Hoehn, T. and Zeidman, B., "Grid-Enabling Resource Intensive Applications," (<http://www.drdoobs.com/parallel/grid-enabling-resource-intensive-applica/202401080>) *Dr. Dobb's Journal*, November 2007, pp 22-28.
69. Zeidman, R., "Iterative Filtering of Retrieved Information to Increase Relevance," The 11th World Multi-Conference on Systemics, Cybernetics and Informatics ([https://zeidmanconsulting.com/documents/Iterative\\_Filtering.pdf](https://zeidmanconsulting.com/documents/Iterative_Filtering.pdf)), July 11, 2007.
70. Zeidman, B., "Who Stole My Software?" High Technology Crime Investigation Association, May 10, 2007.
71. Zeidman, B., "How to choose an RTOS for your FPGA and ASIC designs," *Programmable Logic Design Line* (<http://www.eetimes.com/design/programmable-logic/4015109/How-to-choose-an-RTOS-for-your-FPGA-and-ASIC-designs>), May 10, 2007.
72. Zeidman, B., "Sharing Videos With Invisible Commercials," The Thirty Third Asilomar Microcomputer Workshop, April 18, 2007.
73. Zeidman, B., "Real Time Operating Systems for Systems on a Chip," IEEE Consultants Network of Silicon Valley, April 17, 2007.
74. Zeidman, B., "What, Exactly, Is Software Plagiarism?" *Intellectual Property Today* (<https://zeidmanconsulting.com/documents/What,%20Exactly,%20is%20Software%20Plagiarism.pdf>), February 2007.
75. Zeidman, B., "Software Synthesis for Embedded Systems," Silicon Valley Code Camp, October 8, 2006.
76. Zeidman, B., "Who Stole My Code," Silicon Valley Code Camp, October 8, 2006.
77. Zeidman, B., "Software Source Code Correlation," 5th IEEE/ACIS International Conference on Computer and Information Science (<https://ieeexplore.ieee.org/document/1652022>), July 12, 2006.
78. Zeidman, B., "The Death of the Structured ASIC," *Programmable Logic Design Line* (<http://chipdesignmag.com/display.php?articleId=386>), April 18, 2006.
79. Zeidman, B., "All about FPGAs," *Programmable Logic Design Line* (<http://www.design-reuse.com/articles/12884/all-about-fpgas.html>), March 22, 2006.
80. Zeidman, B., "The pluses and minuses of being a consultant," IEEE Gold, Santa Clara Valley Chapter, February 9, 2006.



81. Zeidman, B., "Using software synthesis for multiprocessor OS and software development," *Embedded.com* (<http://www.embedded.com/design/prototyping-and-development/4006506/Using-software-synthesis-for-multiprocessor-OS-and-software-development>), January 6, 2006.
82. Zeidman, B., "Implementing Integrated Hardware/Software Projects With High Level Languages and Tools," Boston Section of the IEEE, December 1, 2005.
83. Zeidman, B., "Back to the basics: Programmable Systems on a Chip," *Embedded.com* (<http://www.eetimes.com/design/programmable-logic/4014776/Introduction-to-Programmable-Systems-on-a-Chip>), July 27, 2005.
84. Zeidman, B., "Who Stole My Code?" The Thirty First Asilomar Microcomputer Workshop, April 21, 2005.
85. Zeidman, B., "Software Synthesis for OS-Independent Coding," *Dr. Dobb's Journal* (<http://www.drdoobs.com/architecture-and-design/software-synthesis-for-os-independent-co/184406036>) April 2005, pp 58-63.
86. Zeidman, B., "RTOS Synthesis for Embedded Systems," Server Blade Summit, March 24, 2005.
87. Zeidman, B., "RTOS Synthesis to Reduce Power Consumption," DesignCon 2005, February 1, 2005.
88. Zeidman, B., "Software synthesis for embedded systems," *Embedded Systems Programming* (<http://www.embedded.com/design/prototyping-and-development/4006439/Software-synthesis-for-embedded-systems>) February 2005, pp 36-43.
89. Zeidman, B., "Testing a Network Device Prototype in a Live Network," *Annual Review of Communications* Volume 4, 2004, p.803 (reprint).
90. Zeidman, B., "Roll Your Own Real-Time OS," *BladeLetter*, Q3 2004, p. 8.
91. Zeidman, B., "Detecting Source-Code Plagiarism," *Dr. Dobb's Journal* (<http://www.drdoobs.com/architecture-and-design/detecting-source-code-plagiarism/184405734>) July 2004, pp 55-60.
92. Zeidman, B., "Software Synthesis for Embedded Systems," The Thirtieth Asilomar Microcomputer Workshop, April 27, 2004.
93. Zeidman, B., "Smart Pills: The Royal Treatment," *IP Law & Business*, March 2004.
94. Zeidman, B., "Emulating/Prototyping a Network Device in a Live Network," DesignCon 2004, February 3, 2004.
95. Zeidman, B., "Software synthesis is productive for system design," *EE Times* ([http://www.eetimes.com/document.asp?doc\\_id=1148219](http://www.eetimes.com/document.asp?doc_id=1148219)), January 12, 2004.
96. Zeidman, B., "Guidelines for Effective E-Learning," *Chief Learning Officer* (<https://www.chieflearningofficer.com/2003/12/01/guidelines-for-effective-e-learning>) December, 2003, pp. 24-31.
97. Zeidman, B., "Universal Design Methodology," *Embedded Systems Programming* (<http://www.embedded.com/electronics-blogs/beginner-s-corner/4024888/The-universal-design-methodology>) December, 2003, pp 55-56.
98. Zeidman, B., "Test Your Next Hardware Design—in a Live Network," *Communication Systems Design* ([https://www.academia.edu/1576191/Test\\_Your\\_Next\\_Hardware\\_Design\\_in\\_a\\_Live\\_Network](https://www.academia.edu/1576191/Test_Your_Next_Hardware_Design_in_a_Live_Network)) October 2003, p.18.
99. Zeidman, B., "Platform FPGAs to Prevail," *Embedded Systems Programming* (<http://business.highbeam.com/136935/article-1G1-109898412/platform-fpgas-prevail-before-long-platform-fpgas-containing>) November, 2003, pp.28-31.

100. Zeidman, B., "The Universal Design Methodology -- taking hardware from conception through production," *EDN* (<http://www.edn.com/design/integrated-circuit-design/4345988/The-Universal-Design-Methodology-taking-hardware-from-conception-through-production>) December 26, 2002, p53.
101. Zeidman, B., "FPGAs vs. ASICs for Networking," Network Processor Conference West, October 2002, 11pp.
102. Zeidman, B., "How to Start A Consulting Business," *Embedded Systems Programming* (<http://www.embedded.com/design/real-world-applications/4402268/How-to-Start-a-Consulting-Business->) December 2000, pp161-163.
103. Zeidman, B., "An Introduction to Remote Backup," *Disaster Recovery Journal*, Vol. 9 No. 2 (<http://www.drj.com/drj-world-archives/data-processing-recovery/an-introduction-to-remote-backup.html>) April/May/June 1996, p48.
104. Zeidman, B., "Testing System Memory Quickly and Efficiently," Design SuperCon 96 conference, February 1, 1996, 14pp.
105. Zeidman, B., "Remote Backup - Transmitting Critical Data Over Phone Lines for Offsite Storage," JAMCON '95 Communications Conference, August 20, 1995, pp97-99.
106. Zeidman, B., "Testing Memory Quickly," *Embedded Systems Programming*, Aug 1995, pp68-75
107. Zeidman, B., "Read-Ahead Logic: An Alternative to Cache," Design SuperCon 95 conference, March 1, 1995, 6pp.
108. Zeidman, B., "How to Make Money as a Consultant," *Income Opportunities*, Dec 1993, pp48-62
109. Zeidman, B., "Interleaving DRAMs for Faster Access," *ASIC & EDA*, November 1993, pp24-34.
110. Zeidman, B., "Starting Up Your Engineering Consulting Business," *High Technology Careers*, April/May 1993, p24.
111. Zeidman, B., "New Film Software for Independent Producers," *CUE*, September 1992, pp6-7.
112. Hafeman, D. and Zeidman, B., "Memory Architectures Compound RISC's Gains," *Electronic Design*, July 11, 1991, pp71-82.
113. Flynn, M. J., Zeidman, R. and Lochner, E., "Sparse Distributed Memory Prototype: Address Module Hardware Guide," Stanford University Computer Systems Laboratory CSL-TR-88-373, December 1988 72pp.
114. Flynn, M. J., Kanerva, P., Ahanin, B., Bhadkamkar, N., Flaherty, P., Hickey, P., Lochner, E., Webber, K., and Zeidman, R., "Sparse Distributed Memory Prototype: Principles of Operation," Stanford University Computer Systems Laboratory CSL-TR-88-338, December 1988 96pp.

## PATENTS

Named inventor on following patents and patent applications:

1. Zeidman, Robert M., "Visual tool for developing real time task management code," U.S. Patent 6,934,947.
2. Zeidman, Robert M., "Method for connecting a hardware emulator to a network," U.S. Patent 7,050,962.
3. Zeidman, Robert M., Hafeman, Daniel R., Barr, Michael, "Method and apparatus for synthesizing a hardware system from a software description," U.S. Patent 7,210,116.
4. Zeidman, Robert M., "Apparatus and method for connecting hardware to a circuit simulation," U.S. Patent 7,266,490, RE 42,227.
5. Zeidman, Robert M., "Software tool for detecting plagiarism in computer source code," U.S. Patent 7,503,035.

6. Zeidman, Robert M., Hafeman, Daniel R., Barr, Michael, "Method and apparatus for synthesizing a hardware system from a software description," U.S. Patent 7,620,928.
7. Zeidman, Robert M., Hafeman, Daniel R., "Method and apparatus for emulating a hardware/software system using a computer," U.S. Patent 7,647,583.
8. Zeidman, Robert M., "Detecting plagiarism in computer source code," U.S. Patent 7,823,127.
9. Zeidman, Robert M., "Apparatus and method for connecting hardware to a circuit simulation," U.S. Patent 7,835,897.
10. Zeidman, Robert M., "Software tool for synthesizing a real-time operating system," U.S. Patent 7,882,488.
11. Zeidman, Robert M. and Snider, Gregory, "Using readily available driver and application source code with a synthesized operating system," U.S. Patent 7,900,187.
12. Zeidman, Robert M., Hafeman, Daniel R., Barr, Michael, "Method and apparatus for synthesizing a hardware system from a software description," U.S. Patent 7,945,879.
13. Zeidman, Robert M., "System and method for connecting a logic circuit simulation to a network," U.S. Patent 8,160,863.
14. Zeidman, Robert M. "Use of hardware peripheral devices with software simulations," U.S. Patent 8,195,442
15. Zeidman, Robert M., "Detecting copied computer source code by examining computer object code," U.S. Patent US 8,255,885.
16. Zeidman, Robert M., "Software tool for detecting plagiarism in computer source code," U.S. Patent 8,261,237.
17. Zeidman, Robert M., "Method for advertisers to sponsor broadcasts without commercials," U.S. Patent 8,316,390.
18. Zeidman, Robert M., "Conveying Data From A Hardware Device To A Circuit Simulation," U.S. Patent 8,380,481.
19. Zeidman, Robert, "Software for filtering the results of a software source code comparison," U.S. Patent 8,495,586.
20. Zeidman, Robert M., "Detecting plagiarism in computer source code," U.S. Patent 9,003,366.
21. Zeidman, Robert, and Hoehn, Timothy, "Searching the Internet for common elements in a document in order to detect plagiarism," U.S. Patent 9,043,375.
22. Mylroie, Steve and Zeidman, Robert M., "Detecting plagiarism in computer markup language files," US Patent 9,053,296.
23. Zeidman, Robert M., "Method for advertisers to sponsor broadcasts without commercials," US Patent 10,116,999.
24. Zeidman, Robert M., "Method and Apparatus for Remote Game Play with Real-Time Commentary," US Patent 11,369,887.
25. Zeidman, Robert M., "Method and Apparatus for Remote Game Play with Real-Time Commentary," US Patent 11,413,545.
26. Zeidman, Robert M. and Zeidman, Carrie L., "Pool Lap Counter," US Patent 11,511,177.
27. Zeidman, Robert M., "Method and Apparatus for Remote Game Play with Real-Time Commentary," US Patent 11,684,860.
28. Zeidman, Robert M., "Method and Apparatus for Remote Game Play with Real-Time Commentary," US Patent 11,684,859.

29. Zeidman, Robert M., Zeidman, Carrie L., Caldwell, John, "Pool Lap Counter," USPTO application number 18/120,899 (pending).

### **TRAINING/TEACHING EXPERIENCE**

Presented seminars and courses on the following topics:

- A Crash Course in Verilog
- All About Patents
- Analysis of Software Copyright Infringement Cases
- Artificial Intelligence, Intellectual Property, and Star Trek
- ASIC Design
- All About Electronics
- Choosing an OS for your IoT device
- CPLD Design
- Creating a Multitasking System at the Push of a Button Using SynthOS
- Detecting Software IP Theft
- Detecting Software Copying
- Electrical Engineering for non-EEs
- Finding and Utilizing Technical Consultants for IP Litigation
- FPGA Design
- FPGAs vs. ASICs for Networking
- The History of Digital Hardware Design
- How to Patent Your Invention
- How to Start a Consulting Business
- Introduction to Programmable Systems on a Chip
- Investigating Technology Theft
- IP Litigation from the Perspective of an Inventor/Expert Witness
- Measuring Software Changes with the CLOC Method
- Memory Architectures
- Patent Litigation Tips
- Patents in Star Trek
- Patents in the Future
- Programmable Systems on a Chip (SOCs)
- Protecting Your Intellectual Property
- Proving the Facts: A Fireside Chat with Bob Zeidman on Winning the My Pillow CEO's Challenge
- Push-Button Creation of an Optimized Application Specific OS
- Real-Time Operating Systems for SOCs
- Software Copyright Infringement Allegations - Inside the Forensic Analysis
- Software Forensics and Voting Machines
- Software Intellectual Property
- Software Synthesis
- Software Synthesis for Embedded Systems
- Starting a Consulting Business
- Technical Consultants for IP Litigation
- Testing Memory
- The Desperate Need for Standards of IP Infringement Detection Tools and Methods in Litigation
- The Real and Unreal Threats of Artificial Intelligence
- Understanding Innovation
- Understanding Software IP and Detecting IP Theft
- Universal Design Methodology
- Verilog and HDLs
- What I Did Right And What I Screwed Up - Lessons From A Parallel Entrepreneur
- You Invented It, Now Protect It!

At the following places:

- 56-Year Mission Las Vegas (Star Trek convention)
- Association of Computing Machinery, Bay Area
- Cogswell College
- College of San Mateo
- Cornell Entrepreneur Network
- Design Automation Conference
- DesignCon
- Digital Forensic Research Workshop
- Eastcon
- Easy Paths to Silicon Design
- Electronic Discovery Reference Model (EDRM)
- Embedded Systems Conference
  - Boston
  - Chicago
  - Europe
  - India
  - London
  - Minneapolis
  - Silicon Valley
- Embedded TechCon
- Forensic Expert Witness Association National Conference
- Gigabit Ethernet Conference
- High-Level Electronic System Design Conference
- High Technology Crime Investigation Association
- International Conference on Cryptologic History
- Institute of Electrical and Electronics Engineers
- IoT Evolution Expo
- LancerHacks
- Maker Faire
- Microsoft Store, Stanford Shopping Center
- Midwest IP Institute
- NALSAR University of Law
- Network Processors Conference West
- Northcon
- Opportunity X
- Palo Alto Area Bar Association
- PCB Design East
- PCB Design West
- San Jose State University
- San Francisco State University
- Semizone.com
- Server Blade Summit
- Silicon Valley Code Camp
- Southcon
- Stanford University
- STLV
- Union College Academy for Lifelong Learning
- Vintage Computer Festival
- Westcon
- World Intellectual Property Technical Forum
- World IP Forum