

C U R R I C U L U M V I T A E

Joseph B. Grand

February 9, 2010

Born

3 September 75, Boston, Massachusetts

1993-1997

B.S., Computer Engineering, Boston University, College of Engineering, Boston, Massachusetts.

1993-2000

Director and Design Engineer, L0pht Heavy Industries, Watertown, Massachusetts.

1995-2000

Electrical Engineer, Design Continuum, West Newton, Massachusetts.

2000-2002

Co-Founder and Research Scientist, @stake, Cambridge, Massachusetts.

2007-2008

Co-Host and Electrical Engineer, Prototype This, Discovery Channel, Silver Spring, Maryland.

2003-present

President, CEO, and Principal Electrical Engineer, Grand Idea Studio, San Francisco, California.

OUTSIDE BOARDS

2004-present

Technical Advisory Board, MAKE Magazine (O'Reilly Media), Sebastopol, California.

PRODUCT PORTFOLIO

- (Q1) A.T. Cross iPen : Battery-powered electronic stylus and drawing tablet for use with a desktop PC, Contributed to the final design modifications of the pre-production units, June 1997.
- (Q2) FluidSense FS-01 Infusion Pump : Handheld, battery-operated infusion pump that integrated security, precision fluid control, data collection, infrared data transfer capabilities, and a 96-hour battery life, Co-designer, Featured in Inventions 2000 section, Time Magazine pg. 80, December 4, 2000.
- (Q3) Bio-Rad Moto Alpha Motorized Heated Lid : Motorized, heated lid unit for Bio-Rad's popular line of DNA Engine Thermal Cyclers including automated lid control and accurate pressure sensor feedback, Co-designer, December 2000.
- (Q4) pdd : Memory imaging tool for forensic analysis of Palm-based PDAs, November 2001.

- (Q5) Redemption 5200 : Videogame controller adapter which allows the use of Atari 2600, Atari 7800, Sega Genesis, and PC controllers on the Atari 5200, July 2003.
- (Q6) thesmartgolfer Laser Putting Alignment System : Laser training aid for golf putting providing instant feedback on targeting, clubface orientation, and the ball impact zone, September 2003.
- (Q7) Emic Text-to-Speech Module : Fully integrated unit that converts a stream of digital text into a high-quality English-speaking voice, September 2003.
- (Q8) Stelladaptor : Atari 2600 controller-to-USB interface, Allows classic-style joysticks, paddles, and driving controllers to be used on modern PCs, March 2004.
- (Q9) Safety 1st SmartLight Stair Gate : Child safety gate containing motion-activated lights that illuminate the stairway and landing upon approach, Developed the initial proof-of-concept prototype, August 2004.
- (Q10) Ultra SCSIcide : Cartridge-based video game for the Atari 2600 VCS console, April 2005.
- (Q11) Parallax RFID Reader Module, Serial Interface : Low-cost module for radio frequency identification (RFID) applications, Reads 125kHz passive RFID tags from up to four inches away, May 2005.
- (Q12) Atari FlashBack 2 Classic Game Console : Dedicated console with 40 built-in games, Modeled after the 1977 release of the Atari 2600 Video Computer System (VCS), Developed the paddle detection algorithms used in select games, August 2005.
- (Q13) StenoCast X7 : Bluetooth-enabled device that provides realtime, point-to-multipoint transmission of a court reporter's transcription data, September 2005.
- (Q14) Gamecaster Cybercam S2 Controller : Revolutionary camera that connects to live multiplayer video game matches, enabling pro-sports cameramen to shoot the virtual action from "within" the game, December 2005.
- (Q15) Build Your Own Electronic Game Kit : Educational kit designed to introduce students to electronics, soldering, and hands-on assembly, April 2006.
- (Q16) DEFCON 14 Conference Badge : Event badge for the largest and oldest continuously running hacker and computer security convention in the world, Contains active electronics mounted on an artistically designed printed circuit board, August 2006.
- (Q17) chumby : Wi-Fi enabled content delivery device designed to be used around the home to display real-time, user-customizable information, August 2006.
- (Q18) Parallax GPS Receiver Module : Low-cost module for global positioning system (GPS) applications, September 2006.
- (Q19) DEFCON 15 Conference Badge : Event badge for the largest and oldest continuously running hacker and computer security convention in the world, Contains active electronics to scroll custom text messages on a 95 LED matrix, Other features include capacitive sensing buttons and support for accelerometer and wireless functionality, Top Ten Finalist of the Freescale Black Widow Design Challenge, August 2007.
- (Q20) Perseus Athletics Posture-Tek : System and mechanism to detect and silently alert the user when poor posture occurs, Designed to ensure proper, user-defined posture during exercise or everyday life, December 2007.
- (Q21) DEFCON 16 Conference Badge : Event badge for the largest and oldest continuously running hacker and computer security convention in the world, Contains active electronics to transmit and receive data via infrared, Other features include SecureDigital memory card support, LED animations, and artistic elements, August 2008.
- (Q22) Parallax RFID Reader Module, USB Interface : Low-cost module for radio frequency identification (RFID) applications, Reads 125kHz passive RFID tags from up to four inches away, Easy connection to PC or Macintosh via bus-powered USB interface, August 2008.

- (Q23) DEFCON 17 Conference Badge : Event badge for the largest and oldest continuously running hacker and computer security convention in the world, Contains active electronics to affect the state of a multicolor LED based on audio input, Other features include multi-badge communication and artistic elements, July 2009.

Hobbyist and experimental products not included.

PATENTS

- (I1) U.S. Patent No. 7,181,560: Method and Apparatus for Preserving Computer Memory Using Expansion Card

Inventor(s):

Grand; Joseph (Brookline, MA)
Carrier; Brian (Bow, NH)

Issued/Filed Dates:

Feb. 20, 2007 / Dec. 21, 2001

- (I2) U.S. Patent No. 7,403,220: Apparatus, Methods, and Systems for Viewing and Manipulating a Virtual Environment

Inventor(s):

MacIntosh; David (San Diego, CA)
Morelock; David M. (Santee, CA)
Grand; Joseph (San Diego, CA)

Issued/Filed Dates:

Jul. 22, 2008 / Aug. 23, 2004

- (I3) U.S. Patent No. 7,249,846: Eyewear with an Image Projected off of an Unassisted Eyewear Lens to the User

Inventor(s):

Grand; Joseph B. (San Diego, CA)
Morelock; David M. (Kenmore, WA)
Manalo; Gil David (Redmond, WA)
Cruz; Ricardo Antonio (San Diego, CA)

Issued/Filed Dates:

Jul. 31, 2007 / May 3, 2005

- (I4) U.S. Patent D592,678: Audiovisual Device

Inventor(s):

Adler; Steven M. (San Diego, CA)
Grand; Joseph B. (San Francisco, CA)
Huang; Andrew S. (Cardiff-by-the-Sea, CA)
Maxwell; Duane S. (San Diego, CA)
Meyerhoffer; Thomas Erik (Montara, CA)
Steele; Kenneth E. (Del Mar, CA)
Tomlin; Stephen L. (San Diego, CA)

Issued/Filed Dates:

May 19, 2009 / May 19, 2008

Patent applications not shown.

PUBLICATIONS

- (1) Kingpin (Grand J) : Cellular Phone Biopsy, 2600 Magazine 10(4):6-8, Winter, 1993.
- (2) Kingpin (Grand J) : Cellular Hardware and Electronics, 2600 Magazine 11(4), Winter, 1994.
- (3) Kingpin (Grand J) : Red Box Detection Circuit, 2600 Magazine 14(1):54-57, Spring, 1997.
- (4) Kingpin (Grand J) : Moody Furballs and the Developers Who Love Them: Happy Hacking, Sidebar, Wired 6(9):143, September, 1998.
- (5) Kingpin (Grand J) : Touch Memory Primer, 2600 Magazine 15(4):6-11, Winter, 1998.
- (6) Kingpin (Grand J) : Attacks on and Countermeasures for USB Hardware Token Devices, Proceedings of the Fifth Workshop on Secure IT Systems (NORDSEC) 35-37, Reykjavik, Iceland, October 12, 2000.
- (7) Kingpin (Grand J) : Security Threats to Palm OS Devices, Internet Security Advisor 4(1):19-22, January/February, 2001.
- (8) Kingpin (Grand J) & Mudge : Security Analysis of the Palm Operating System and its Weaknesses Against Malicious Code Threats, Proceedings of the 10th USENIX Security Symposium 135-151, Washington, DC, August 16, 2001.
- (9) Russell R (Editor), Grand J, et al. : Hack Proofing Your Network (Second Edition), Syngress Publishing, Rockland, Massachusetts, ISBN 1-928994-70-9, March 2002.
- (10) Grand J : pdd: Memory Imaging and Forensic Analysis of Palm OS Devices, Proceedings of the 14th Annual Computer Security Incident Handling Conference, Waikoloa, Hawaii, June 26, 2002.
- (11) Grand J : Digital Dangers, eBusiness Advisor 20(7):62-65, September/October, 2002.
- (12) Grand J : Retro Game Postmortem: Pixels Past's SCSIcide, Gamasutra, February 26, 2003.
- (13) Russell R (Editor), Grand J, et al. : Stealing The Network: How to "Own the Box", Syngress Publishing, Rockland, Massachusetts, ISBN 1-931836-87-6, March, 2003.
- (14) Grand J : Emic: Portable Hardware-Based TTS for Budget Sensitive Environments, Proceedings of the Applied Voice Input/Output Society (AVIOS) Speech Developers Conference 2003, San Jose, California, April 2, 2003.
- (15) Grand J : The SCSIcide Experience: Developing a Modern Game for a Classic System, Austin Gaming Exposition 2003 program, Austin, Texas, July 26, 2003.
- (16) Grand J, et al. : Hardware Hacking: Have Fun While Voiding Your Warranty, Syngress Publishing, Rockland, Massachusetts, ISBN 1-932266-83-6, January, 2004.
- (17) Carrier B.D. & Grand J : A Hardware-Based Memory Acquisition Procedure for Digital Investigations, Digital Investigation Journal 1(1):50-60, ISSN 1742-2876, February, 2004.
- (18) Grand J : Practical Secure Hardware Design for Embedded Systems, Proceedings of the 2004 Embedded Systems Conference, San Francisco, California, April 1, 2004.
- (19) Russell R (Editor), Grand J, et al. : Stealing The Network: How to Own a Continent, Syngress Publishing, Rockland, Massachusetts, ISBN 1-931836-05-1, April, 2004.
- (20) Grand J : Understanding Embedded Security, Circuit Cellar 169:22-25, August, 2004.

- (21) Grand J : Don't Believe Everything You Hear: A Commentary on Adopting Security Technologies, *The Security Journal* 9:30-31, Fall, 2004.
- (22) Grand J, et al. : *Game Console Hacking: Xbox, PlayStation, Nintendo, Atari, & Gamepark 32*, Syngress Publishing, Rockland, Massachusetts, ISBN 1-931836-31-0, October, 2004.
- (23) Grand J : Primer: Soldering & Desoldering, *MAKE Magazine* 1:162-169, February, 2005.
- (24) Grand J : Embedded Security Design (Part 1), *Circuit Cellar*, 176:28-32, March, 2005.
- (25) Grand J : Embedded Security Design (Part 2), *Circuit Cellar*, 177:34-38, April, 2005.
- (26) Grand J : Retro Game Heaven: The Atari 2600PC, *MAKE Magazine* 2:50-84, May, 2005.
- (27) Grand J : Peace and Quiet With the Flip of a Switch: Adding a Power Switch to an External Drive, *MAKE Magazine* 2:141-143, May, 2005.
- (28) Grand J : Getting Back to Our (Hardware Hacking) Roots: Building Robots with Vintage Computer Parts, *Computer Collector Newsletter*, 4(23), June 13, 2005.
- (29) Grand J : Replace Your iPod's Battery, *PC Magazine* 24(13):80-81, August 9, 2005.
- (30) Grand J : Primer: Reading & Drawing Schematics, *MAKE Magazine* 3:151-152, July, 2005.
- (31) Grand J : Protecting Your Crown Jewels: An Introduction to Embedded Security for Hardware-Based Products, *Computer Fraud & Security Journal* 13-20, October 2005.
- (32) Grand J : Full Mast Reception, *MAKE Magazine* 5:150, February, 2006.
- (33) Grand J : RFID for Makers, *MAKE Magazine* 6:160-163, May, 2006.
- (34) Grand J : Research Lessons from Hardware Hacking, *Communications of the ACM* 49(6):44-49, June, 2006.
- (35) Grand J, et al. : *Joe Grand's "Best of" Hardware, Wireless & Game Console Hacking*, Syngress Publishing, Rockland, Massachusetts, ISBN 1-59749-113-6, June, 2006.
- (36) Grand J : Behind the Scenes of the DEFCON Badge...A Short Story, DEFCON 14 program, Las Vegas, Nevada, August, 2006.
- (37) Grand J : 1966: A Big Year for Games (An afternoon with Ralph Baer, the "Father of Video Games"), *MAKE Magazine* 8:62-63, November, 2006.
- (38) Grand J : Propeller Chip: Silicon from Scratch (Sidebar), *MAKE Magazine* 10:81, May, 2007.
- (39) Grand J : Primer: Voltage, Current, & Resistance, *MAKE Magazine* 10:164-166, May, 2007.
- (40) Grand J : Making the DEFCON 15 Badge, *Nuts & Volts* 29(7):52-59, July, 2008.
- (41) Brooks A.G. & Grand J : Engineered Reality: Prototyping Inventions for Television, *IEEE Pervasive Computing*, Special Issue on The Hacking Tradition 7(3):24-31, July-September 2008.
- (42) Grand J : Making the DEFCON 16 Badge, *Nuts & Volts* 30(3):54-58, March, 2009.
- (43) Grand J, et al. : *Stealing the Network: The Complete Series Collector's Edition, Final Chapter, and DVD*, Syngress Publishing, Burlington, Massachusetts, ISBN 1-59749-299-X, May, 2009.

SELECTED PRESENTATIONS

- (P1) Kingpin (Grand J) & L0pht Heavy Industries : Weak Computer Security in Government: Is the Public at Risk?, Testimony, United States Senate Committee on Governmental Affairs, Washington, D.C., May 19, 1998.
- (P2) Kingpin (Grand J) & Tan : Discussions of the Computer Underground and Security Issues, Boston College MBA Hi-Tech Club, Chestnut Hill, Massachusetts, April 7, 1999.
- (P3) Kingpin (Grand J) & Tan : Topics in Internet Security, Boston University, Boston, Massachusetts, December 6, 1999.
- (P4) Kingpin (Grand J) & Tan : Technology and Human Values, Northeastern University, Boston, Massachusetts, December 8, 1999.
- (P5) Kingpin (Grand J) & Oblivion B : Secure Hardware Design, Black Hat USA 2000 Briefings and Training, Las Vegas, Nevada, July 26, 2000.
- (P6) Kingpin (Grand J) : Portable Devices and Hardware Token Weaknesses, United States Naval Post Graduate School, Center for INFOSEC Studies and Research, Monterey, California, March 8, 2001.
- (P7) Kingpin (Grand J) & Mudge : Analysis of Portable Devices and Their Weaknesses Against Malicious Code Threats, RSA Conference 2001, San Francisco, California, April 11, 2001.
- (P8) Kingpin (Grand J) : Attacks on and Countermeasures for USB Hardware Token Devices, RSA Conference 2001, San Francisco, California, April 12, 2001.
- (P9) Kingpin (Grand J) : Palm Device Security Weaknesses (a.k.a. Fun with Palm OS), IBM Thomas J. Watson Research Center, Hawthorne, New York, May 1, 2001.
- (P10) Grand J : Identifying Security Threats to Wireless Networks, Defending Against Information Warfare, Arlington, Virginia, March 13, 2002.
- (P11) Grand J : Forensic Evidence Gathering of Palm Devices, Air Force Office of Special Investigations Annual Training Workshop, Fort Walton Beach, Florida, April 8, 2002.
- (P12) Grand J : Securing Portable Devices, The Conference & Expo on Mobile & Wireless Security 2002, Atlanta, Georgia, September 10, 2002.
- (P13) Grand J : pdd: Memory Imaging and Forensic Analysis of Palm OS Devices, The Conference & Expo on Mobile & Wireless Security 2002, Atlanta, Georgia, September 11, 2002.
- (P14) Grand J, et al : Wireless Security Bootcamp: Wireless LANs and WEP, Cyber Security Day 2002, Walnut Creek Chamber of Commerce, Walnut Creek, California, November 4, 2002.
- (P15) Grand J & Poynter I : Surveying Your Kingdom: Carrying Out A Successful Wireless Site Survey, The Conference & Expo on Mobile & Wireless Security 2003, Chicago, Illinois, September 24, 2003.
- (P16) Grand J : Introduction to Embedded Security, Black Hat Europe 2004 Briefings and Training, Amsterdam, The Netherlands, May 19, 2004.
- (P17) Grand J : Introduction to Mobile Device Insecurity, Black Hat Europe 2004 Briefings and Training, Amsterdam, The Netherlands, May 20, 2004.
- (P18) Grand J : A Historical Look at Hardware Token Compromises, Black Hat USA 2004 Briefings and Training, Las Vegas, Nevada, July 28, 2004.
- (P19) Grand J : Advanced Hardware Hacking Techniques, DEFCON 12, Las Vegas, Nevada, July 30, 2004.
- (P20) Grand J : Practical Secure Hardware Design for Embedded Systems, Embedded Security Seminar, Boston, Massachusetts, September 14, 2004.

- (P21) Grand J : Understanding Embedded Security, Black Hat Asia 2004 Briefings and Training, Tokyo, Japan, October 15, 2004.
- (P22) Grand J : Hands-On Hardware Hacking and Reverse Engineering Techniques, Black Hat USA 2005 Briefings and Training, Las Vegas, Nevada, July 23 and July 24, 2005.
- (P23) Grand J : Can You Really Trust Hardware? Exploring Security Problems in Hardware Devices, Black Hat USA 2005 Briefings and Training, Las Vegas, Nevada, July 27, 2005.
- (P24) Grand J : Trusting Hardware: Exploring Security Problems in Hardware Devices, Association of Computing Machinery (ACM) San Diego Chapter Meeting, San Diego, California, September 15, 2005.
- (P25) Grand J : Exploring Security Problems in Hardware: Past and Present, ToorCon 7, San Diego, California, September 16, 2005.
- (P26) Grand J : Hardware Hacking, Tweaking, and Bending: Making Technology Do Things It Was Never Intended To Do, University of Advancing Technology (UAT) 2005 Technology Forum, Tempe, Arizona, November 2, 2005.
- (P27) Grand J : Look Before You Leap: Understanding RFID and its Inherent Security Risks, The Conference & Expo on Mobile & Wireless Security 2005, Orlando, Florida, November 15, 2005.
- (P28) Grand J : Behind the Scenes of the DEFCON Badge, DEFCON 14, Las Vegas, Nevada, August 4, 2006.
- (P29) Grand J : Hacking Hardware: Real, Live, Unscripted!, University of Advancing Technology (UAT) 2006 Technology Forum, Tempe, Arizona, November 2, 2006.
- (P30) Grand J : Making of the DEFCON 15 Badge, DEFCON 15, Las Vegas, Nevada, August 3, 2007.
- (P31) Kingpin (Grand J) : Making the DEFCON 16 Badge, DEFCON 16, Las Vegas, Nevada, August 8, 2008.
- (P32) Kingpin (Grand J) & Zoz : BSODomizer, DEFCON 16, Las Vegas, Nevada, August 9, 2008.
- (P33) Kingpin (Grand J) & Ne0nRa1n : Brain Games: Make your own Biofeedback Video Game, DEFCON 16, Las Vegas, Nevada, August 9, 2008.
- (P34) Grand J : The Projects of Prototype This, dorkbot-sf, San Francisco, California, January 13, 2009.
- (P35) Grand J : Turning Science into Sound Bites: Lessons from Prototype This, SOURCE Conference, Boston, Massachusetts, March 11, 2009.
- (P36) Grand J, Appelbaum J, & Tarnovsky C : "Smart" Parking Meter Implementations, Globalism, and You, Black Hat USA 2009 Briefings and Training, Las Vegas, Nevada, July 30, 2009.
- (P37) Kingpin (Grand J) : The Making of and Hacking the DEFCON 17 Badge, DEFCON 17, Las Vegas, Nevada, July 31, 2009.
- (P38) Kingpin (Grand J) & Zoz : The Projects of "Prototype This!," DEFCON 17, Las Vegas, Nevada, August 1, 2009.
- (P39) Grand J : Hardware is the New Software, Keynote Presentation, Hack in the Box Security Conference 2009, Kuala Lumpur, Malaysia, October 7, 2009.
- (P40) Grand J : Hardware is the New Software, Black Hat DC 2010 Briefings and Training, Crystal City, Virginia, February 2, 2010.
- (P41) Grand J : Hacks and Attacks: Examples of Electronic Device Compromise, Embedded Systems Conference Silicon Valley 2010, Santa Clara, California, April 28, 2010.

MISCELLANEOUS

- (M1) Featured on Horizon: Inside the Internet, BBC, May 27, 1997.
- (M2) The L0pht, Panelist, Beyond HOPE, New York, New York, August 9, 1997.
- (M3) Featured on The NewsHour with Jim Lehrer: Hacking Around segment, PBS, May 8, 1998.
- (M4) Kingpin (Grand J) : Answering Machine Remote Accessibility of Supervisory Functions, L0pht Heavy Industries Security Advisory, September 8, 1998.
- (M5) Kingpin (Grand J) : MAC Address Cloning, Published on L0pht Heavy Industries website, December, 1998.
- (M6) Subject of Hack, Counterattack: Hacker Double Agents, The New York Times Magazine pp. 34-37, October 3, 1999.
- (M7) Kingpin (Grand J) : A Practical Introduction to the Dallas Semiconductor iButton, Published on @stake website, February, 2000.
- (M8) Kingpin (Grand J) & DilDog : CRYPTOCard PalmToken PIN Extraction, @stake Security Advisory, April 10, 2000.
- (M9) Kingpin (Grand J) : Compromising Voice Messaging Systems, Published on @stake website, April, 2000.
- (M10) Kingpin (Grand J) : eToken Private Information Extraction and Physical Attack, @stake Security Advisory, May 4, 2000.
- (M11) Hardware and Electronics Q & A, Panelist, H2K, New York, New York, July 15, 2000.
- (M12) Kingpin (Grand J), DilDog, & Brian Carrier : Rainbow Technologies' iKey 1000 Administrator Access and Data Compromise, @stake Security Advisory, July 20, 2000.
- (M13) Kingpin (Grand J) & DilDog : PalmOS Password Retrieval and Decoding, @stake Security Advisory, September 26, 2000.
- (M14) Kingpin (Grand J) : SafeWord e.iD Palm Authenticator PIN Extraction, @stake Security Advisory, December 14, 2000.
- (M15) Kingpin (Grand J) : DS1991 MultiKey iButton Dictionary Attack Vulnerability, @stake Security Advisory, January 18, 2001.
- (M16) Briefed the United States Special Assistant for Global Affairs, National Coordinator for Security and Counterterrorism, and Special Advisor for Cybersecurity on discovered security weaknesses of PDA devices. Resulted in governmental policy changes regarding the use of PDAs for sensitive information storage, January, 2001.
- (M17) Nominated for the Boston University College of Engineering Outstanding Alumni Awards. Presented annually to recognize the accomplishments of the College's graduates. Nomination sponsored by Professor Michael F. Ruane, February 9, 2001.
- (M18) Kingpin (Grand J) : Security in Hardware/Electronics Design, Guru Is In Session, USENIX Annual Technical Conference, Boston, Massachusetts, June 29, 2001.
- (M19) Programming the Atari 2600, Panelist, Classic Gaming Expo, Las Vegas, Nevada, August 12, 2001.
- (M20) Guest speaker, Ecole Bilingue: The French-American International School of Boston, Discussion of computer security, technology, and privacy issues, Cambridge, Massachusetts, May 13, 2002.
- (M21) Classic, Current, and Future Videogame Development, Panelist, PhillyClassic 4: The East Coast Classic Gaming Event, Philadelphia, Pennsylvania, March 29, 2003.

- (M22) Programmer's Roundtable, Panelist, PhillyClassic 5: The East Coast Video Gamer's Event, Philadelphia, Pennsylvania, March 21, 2004.
- (M23) Received Honorable Mention for "Tribble: A hardware forensics tool for memory image retrieval" product concept at the 2004 Invent Now America! Exposition, an invention search aimed to discover outstanding examples of the ingenuity present throughout all facets of society, March, 2004.
- (M24) Northcutt S : IT Ethics Handbook: Right and Wrong for IT Professionals, Special Contributor, Wrote sidebar opinion pieces entitled "Don't Believe Everything You Hear" and "Don't Be Afraid to Attack Your Own Network (or Products)", June, 2004.
- (M25) Provided comments and research to help form the National Institute of Standards and Technology Special Publication 800-72, Guidelines on PDA Forensics, which was developed to help organizations evolve appropriate policies and procedures for dealing with PDA forensics and to provide forensic specialists with a background on the technology, tools, and principles involved, August, 2004.
- (M26) Adjunct Professor, University of Advancing Technology, Tempe, Arizona, October, 2004.
- (M27) Featured on The Screen Savers, G4techTV, February 2, 2005.
- (M28) Developed paddle detection algorithms for Atari, Inc.'s Flashback 2 Classic Game Console, August, 2005.
- (M29) The Game Makers Round Table, Panelist, America's VideoGame Expo (VGXPO), Fort Washington, Pennsylvania, November 12, 2005.
- (M30) Rights "Chipped" Away: RFID and Identification Documents, Panelist, Black Hat DC 2007 Briefings and Training, Crystal City, Virginia, February 28, 2007.
- (M31) Model, Accelerade Print Advertising Campaign, Featured in Bicycling Magazine, July & August 2007.
- (M32) Guest speaker, United States Military Academy at West Point, Discussions of computer security and hardware hacking, New York, March, 2008.
- (M33) BSODomizer : Mischievous electronic gadget designed to flash a fake BSOD (Blue Screen of Death) onto a computer monitor at random time intervals, Interfaces between a laptop or desktop and a VGA monitor, August 2008.
- (M34) Grand J & Northen M : General Session Surprise Guest, SolidWorks World 2009, Orlando, Florida, February 11, 2009.
- (M35) Judge, Department of Electrical Engineering and Computer Science Capstone Design Project Competition, United States Military Academy at West Point, April 30, 2009.
- (M36) Guest speaker, United States Military Academy at West Point, Discussions of computer security and hardware hacking, New York, April 30-May 2, 2009.
- (M37) Discovered security vulnerabilities related to the smartcard interface of San Francisco's smart parking meter implementation allowing unlimited card value, Provided details and suggestions to the San Francisco Municipal Transportation Agency to help prevent fraudulent attacks, August, 2009.
- (M38) Guest Speaker, The Nueva School, Introduction to hardware hacking, Hillsborough, California, January 22, 2010.

Appeared in numerous other documentaries and news for television, airplane in-flight programming, and print media outlets regarding electrical engineering, computer security, and videogame design.