

DAVID ERIC ABRAMS

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Science Center 207
1 Oxford Street
Cambridge, MA 02138

EDUCATION **MS** **HARVARD UNIVERSITY EXTENSION SCHOOL**
Concentration: Mathematics for Teaching, *May 2014*
Class Marshal Award for Academic Distinction
ALM Dean's List Certificate for Academic Achievement

JD **HARVARD LAW SCHOOL**
Graduated *cum laude*, *June 2005*
Third Year Paper: "Canning Rancid Spam:
A Modest Plan to Reduce Fraudulent Spam"
Advisor: John Palfrey, JD

MS **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**
Electrical Engineering, *September 1977*
Thesis: "Component Evaluation System for a Line-Scan
Recorder with Ultrasound Applications"
Advisor: Roger G. Mark, MD, PhD

BS **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**
Electrical Engineering, *September 1977*

HONORS AND **Tau Beta Pi**
AWARDS Engineering Honor Society.

Sigma Xi
Scientific Research Honor Society

Wunsch Foundation Award
For the Design of a Power Optimizing Windmill Transmission and
Design, Construction and Racing of a Spring-Powered "Cantest" Vehicle

Eta Kappa Nu Association
IEEE Honor Society

RESEARCH **Visiting Scholar, Institute for Quantitative Social Science, 2013-2015**
EXPERIENCE Harvard University

Fellow, Berkman Center for Internet & Society, 2009-2013
Harvard University

**TEACHING
EXPERIENCE**

Harvard University, Cambridge, MA

Preceptor in Physics, 2018-present

- Teaching *PHYS123 Laboratory Electronics: Analog and Digital Circuit Design*, an intensive survey of practical electronics from Ohm's Law through microcontrollers
- Developed lectures, course website, exams, and homework

Harvard University, Cambridge, MA

Visiting Lecturer/Lecturer on Engineering Sciences, 2013-2018

- Created and taught *ES52 The Joy of Electronics*, a required undergraduate electrical engineering laboratory course, covering an introduction to analog, digital, and microcontroller circuit design
- Developed syllabus, lectures, course website, labs, quizzes, exams, and homework.

Harvard University Summer School, Cambridge, MA

Instructor, 2013-2017

- Taught *PHYS123 Laboratory Electronics: Analog and Digital Circuit Design*, an intensive survey of practical electronics from Ohm's Law through microcontrollers

Suffolk University Law School, Boston, MA

Adjunct Faculty, 2013-2018

- Taught *Problem Solving*, a simulation-based legal problem solving course
- Developed syllabus, lectures, simulations and teacher's manuals

Suffolk University Law School, Boston, MA

Adjunct Faculty, 2013-2014

- Taught *Internet Law - A Practical Lawyering Approach*

Massachusetts Institute of Technology, Cambridge, MA

Teaching Assistant, Electrical Engineering, 1976-1977

- Teaching Assistant in "Introductory Electronics Laboratory," "Bioelectronics Project Laboratory," and "Introduction to Switching Theory and Logical Design"

PUBLICATIONS

Abrams, David, What Stays in Vegas: The Road to "Zero Privacy,"
New England Law Review, vol. 49, no. 4, 2015.

Bambauer, Derek, Palfrey, John & Abrams, David, A COMPARATIVE
ANALYSIS OF SPAM LAWS: THE QUEST FOR A MODEL LAW, Background
Paper for the ITU WSIS Thematic Meeting on Cybersecurity, June 2005.

PATENTS

Abrams, David, Curbelo, Raul, Turner, Brough, “Self-calibrating adaptive ranging apparatus and method,” United States Patent, No. 4,616,329.

Abrams, David, Curbelo, Raul, Turner, Brough, “Scanning interferometer control systems,” United States Patent, No. 4,413,908.

**PRESENTATIONS
AND INVITED
LECTURES**

Harvard EE Seminar Series, “Watching Patents being Made: Akamai v. Limelight – The Rest of the Story,” Harvard University, March 24, 2017

Harvard EE Seminar Series, “Watching Sausage being Made: The Messy Case of Akamai v. Limelight,” Harvard University, October 7, 2016.

Harvard EE Seminar Series, “The End of Privacy: Is Scott McNealy Finally Right?,” Harvard University, April 17, 2015.

Headline Presentation, “What Stays in Vegas,” *New England Law Review Spring Symposium*, New England Law, February 25, 2015.

Harvard EE Seminar Series, “Copyright in the Digital Age: What happened to Aereo?,” Harvard University, September 26, 2014.

OB-Gyn Grand Rounds, “Warrantless Searches of Personal Electronic Devices: Is the Baby Lost in the Woods?,” Massachusetts General Hospital, April 24, 2014.

Harvard EE Seminar Series, “Gnurds Anonymous: How an M.I.T. Electrical Engineer Ended up with a Harvard Law School J.D. 25 Years Later,” Harvard University, September 20, 2013.

Moderator, Cybersecurity Panel, *USENIX Conference*, Boston, MA, June 12, 2012.

Panelist, Privacy and First Amendment Panel, *Boston Internet Law Symposium*, Boston, MA, April 8, 2011.

**PROFESSIONAL
EXPERIENCE**

HARVARD LAW SCHOOL, Cambridge, MA

Program Director, First-Year Problem Solving Workshop, 2009-2013

Reviewed, edited, updated, and organized existing course materials. Created new written and multimedia course materials. Obtained permissions for third party materials. Implemented document management and organization system. Organized and documented faculty planning meetings. Arranged student group meetings with area practitioners. Created and managed course web sites.

THE UNITED STATES DISTRICT COURT OF MASSACHUSETTS,
Boston, MA

Law Clerk, The Honorable Rya Zobel, District of Massachusetts, 2006-2009

Assisted the judge in researching legal issues and drafting opinions. Performed as courtroom clerk on numerous jury and bench trials. Reviewed civil and administrative records.

WILMER CUTLER PICKERING HALE AND DORR LLP, Boston, MA

Associate, Intellectual Property Practice, 2005-2006

Drafted patent specifications and claims. Responded to PTO office actions. Participated in trade secret litigation. Prepared witnesses for deposition, assisted with taking and defending depositions. Deposed opponent's fact witnesses. Recruited and worked with expert witnesses. Assisted in drafting of expert report. Analyzed evidence, including technical engineering documents. Participated in multiple on-site inspections of opponent's technology. Briefed litigation staff on technology. Participated in motion hearing.

THERMO GALACTIC, Salem, NH

VP Operations and Treasurer, 2001-2002

Managed transition from private company to corporate division of Thermo Electron. Served as primary contact with corporate departments for human resources, reporting, forecasting, and planning.

GALACTIC INDUSTRIES, INC., Salem, NH

Co-founder and Equity Partner in scientific software company, 1986-2001

Managed day-to-day finance and business operations of company including accounting, taxes, human resources, legal issues, purchasing, network administration, Internet security, retirement plans, medical insurance, and real estate. Managed technical support, applications programming, and documentation departments. Negotiated sale of company. Co-programmed *Spectra Calc* and *GRAMS*, scientific data station software products for chemical analysis.

NATURAL MICROSYSTEMS, Natick, MA

Senior Electrical Engineer, 1984-1986

Designed all electronic hardware (analog & digital) for startup company.

BIORAD, DIGILAB DIVISION, Cambridge, MA

Senior Electrical Engineer, 1980-1984

Supervised electronic design group of two engineers, electronic technician, and drafting support. Designed analog and digital circuitry for benchtop spectrometers.

THORNTON ASSOCIATES, INC., Waltham, MA

Chief Engineer, 1977-1980

Supervised engineering department of five. Designed electronic instrumentation including water purity meters, visual acuity tester, and educational test equipment.

**BAR
ADMISSIONS**

**COMMONWEALTH OF MASSACHUSETTS, 2005
UNITED STATES DISTRICT COURT, D. Mass., 2005**

OTHER

*Private Pilot, Single Engine Land & Sea, Multi Engine Land, Instrument
Rated*