

Ian Davey

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EDUCATION

Princeton University, Princeton, NJ
Masters of Arts in Computer Science April 2013
Specialized in information security and privacy under Ed Felten

University of Virginia, Charlottesville, VA
Bachelor of Science in Computer Science May 2010
Graduated with high honors

WORK EXPERIENCE

Technolegis, Princeton, NJ
Independent Contractor May 2013 – Present

- Freelance consultant for mobile technology, open government, and digital currency
- Sought clients, proposed contracts, and managed day-to-day business operations

Elysium Digital, Cambridge, MA
Summer Consultant June 2012 – August 2012

- Analyzed source code and large patent portfolios
- Prepared invalidity charts, claim constructions, and non-infringement positions

U.S. Federal Trade Commission, Washington, DC
Technologist Intern June 2011 – August 2011

- Provided expertise for investigations into smartphone security
- Briefed senior officials on security- and privacy-related topics

UVa. Department of Computer Science, Charlottesville, VA
Undergraduate Research Assistant June 2008 – May 2010

- Developed new technologies for software reverse engineering
- Found implementations for broadcast encryption algorithms
- Designed faster digital signature schemes

PUBLICATIONS

J. Kroll, I. Davey, and E. Felten. “The Economics of Bitcoin Mining, or Bitcoin in the Presence of Adversaries.” *12th Workshop on the Economics of Information Security (WEIS 2013)*. June 2013
Washington, DC.

RELEVANT SKILLS AND LANGUAGES

Android SDK, Apache, C/C++, C#, Clojure, COBOL, cryptocurrency design, CSS, Django, eXist-db, Git, HTML, HTTP, IIS, Java, Javascript, jQuery, Lex, Lisp, MongoDB, MySQL, Node.js, OCaml, patent law, privacy law, PHP, Python, Sqlite, SVN, UNIX/Linux, WebDAV, Webkit, Win32 API, Wireshark, x86 assembly, XML, XML Schema, XQuery, XSLT, Yacc

REFERENCES

Available upon request

TEACHING EXPERIENCE

Princeton University, Princeton, NJ

COS 126: General Computer Science

February 2012 – May 2012

COS 340: Reasoning About Computation

September 2011 – January 2012

University of Virginia, Charlottesville, VA

CS 202: Discrete Math I

January 2008 – May 2008

HONORS AND AWARDS

Rodman Scholar (UVa. Engineering honors program)

2006 – 2010

Recipient of the John R. and Betty B. Eggleston Scholarship

2006

Co-recipient of the Danville, VA Optimist's Club Scholarship

2006

ACTIVITIES

Technology Policy Reading Group, Princeton, NJ

Group Leader

2011 – 2012

- Read, interpreted, and discussed relevant bills, laws, policy documents, and papers
- Selected weekly readings and coordinated logistics

Graduate Engineering Council, Princeton, NJ

Computer Science Representative

2010 – 2013

- Represented the interests and viewpoints of the CS department at monthly meetings
- Increased awareness of GEC events within the CS department

CS Graduate Committee, Princeton, NJ

2010 – 2011

- Served as an intermediary between the faculty and graduate student body

Rodman Student Council, Charlottesville, VA

Director of New Media

2007 – 2010

- Maintained and publicized website and wiki
- Managed email lists for both students and alumni
- Updated a Twitter feed and Facebook pages for Rodman Council

Research Grant Committee member

2009 – 2010

- Assisted in the creation of a new undergraduate research grant program
- Reviewed applications for research grants

Engineering the Future Committee member

2008 – 2009

- Helped organize the Engineering the Future spring lecture series
- Advertised lectures through social media

The Spectra Undergraduate Engineering Research Journal, Charlottesville, VA

Student Editorial Board

2009 – 2010

- Publicized journal and assisted in deciding journal's mission
- Reviewed submissions for the first issue published April 2010

'Hoos for Open Access, Charlottesville, VA

Student Scholarship Consolidation Committee member

2008

- Contacted deans and career centers regarding available scholarship opportunities
- Built a dynamic website for finding and applying for scholarships