JEREMY L. RUBIN

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EDUCATION

Massachusetts Institute of Technology (MIT)   *Cambridge, MA*
Master of Engineering in Electrical Engineering and Computer Science   *June 2016*
With concentration in Computer Systems
5.0/5.0 GPA
Bachelor of Science in Electrical Engineering and Computer Science   *June 2016*
With humanities concentration in Comparative Media Studies
4.5/5.0 GPA

Phillips Exeter Academy   *Exeter, NH*   **UCSB**   *Santa Barbara, CA*
9.64/11.0 GPA   *June 2012*   *4.0/4.0 GPA*   *R.M.P. 2010*

EXPERIENCE

MIT Digital Currency Initiative @ Media Lab   Cambridge, MA
Cofounder & Senior Technical Advisor   *March 2015 to May 2016*
  – Created a research initiative to bring more focus at MIT on Digital Currency

MIT Bitcoin Project   Cambridge, MA
Technical Director   *March 2014 to May 2016*
  – Created and ran an initiative which gave every MIT undergrad $100 in Bitcoin

Tidbit   Boston, MA
Founder   *November 2013*
  – Developed a platform to monetize without ads with cryptocurrencies like Bitcoin

Jane Street Capital   New York, NY
Software Development Intern   *January 2014*
  – Implemented in OCaml an Atlassian Jira plugin for command line access with Kerberos authentication

Nokia   Sunnyvale, CA
Engineering Intern   *Summer 2013*
  – Data mining and machine learning under Taneli Mielikinen with the Emerging Platforms group
  – Hardware and software prototyping under Kent Lyons' and Sean White's Interaction Ecologies group
  – Operated as product manager and embedded system engineer designing and building a Barbot with the Nokia Sunnyvale interns as a part of the Advanced Engineering group

MIT Media Lab Viral Spaces   Cambridge, MA
Undergraduate Researcher   *June 2011 to June 2013*
  – Developed Graffiti Codes, mobile app for encoding messages to drawings via graffiti gestures
  – Implemented video playback support on Junkyard Jumbotron: web app for linking internet-enabled devices together as one screen

Azapa: Electric Motorcycles
Software Engineering Intern   *Summer 2012*
  – Wrote a simulated annealing algorithm to optimize battery pack layout by minimizing variance

PUBLICATIONS & PRESENTATIONS

What the #?!* is Bitcoin?   TEDxBeaconStreet 2014
Loupe: a handheld near-eye display   UIST 2014
Proceedings of the 27th annual ACM symposium on User interface software and technology   *October 6, 2014*

AWARDS

Patrick J. McGovern, Jr '59 Entrepreneurship Award 2015
Node Knockout 2013   Most innovative award for Tidbit
MIT Pokerbots Competition 2013   2nd place in artificial intelligence poker tournament new team bracket

Relevant Coursework

Computer Science

Parallel Computing	*6.338*
Large-Scale Systems	*6.S897*
Certified Systems Software	*6.888*
Undergraduate Advanced Project	*6.UAP*
Distributed Systems	*6.824*
Computer Systems Security	*6.858*
Operating System Engineering	*6.828*
Design and Analysis of Algorithms	*6.046*
Introduction to Machine Learning	*6.036*
Introduction to Algorithms	*6.006*
Elements of Software Construction	*6.005*
Mathematics for Computer Science	*6.042*
MIT Pokerbots Competition	*6.S912*
Web Programming Competition	*6.470*
Introduction to EECS I & II	*6.01 & 6.02*

Mathematics

Introduction to Theory of Numbers	*18.781*
Probability and Random Variables	*18.600*
Linear Algebra	*18.06*

Electrical Engineering

Constructive Computer Architecture	*6.175*
Microcomputer Project Lab	*6.115*
Computation Structures	*6.004*

Comparative Media Studies

Internet as a Social Artifact	*CMS.s62*
Introduction to Civic Media	*CMS.360*
Modeling Reddit Ind. Study	*CMS.603*
Media Systems & Texts TA	*CMS.400*
Mobile Technology	*21W.789*

Economics

Game Theory and Social Behavior	*14.11*

Physics

Electricity and Magnetism	*8.022*
Classical Mechanics	*8.01*

Music

Princ. of Electronic Music Ctrlrs	*MAS.837*
Music and ???	*MAS.826*

Relevant Skills

Languages – *Python, Haskell, OCaml, Go, Julia, Java, C, C++, Assembly, Coq, JavaScript, Ruby, Pig/Hadoop*
Embedded Systems/Mobile – *8051-Family, PSOC, Arduino, Raspberry Pi, Android*
Web Dev. – *CSS, HTML5, jQuery, Bootstrap, Yesod, Tornado, beego, Rails, node.js, SQL/NoSQL, nginx*

Media & Links

GitHub – https://github.com/JeremyRubin
Twitter – https://twitter.com/jeremyrubin
Keybase – https://keybase.io/jeremyrubin
Web – http://rubin.io
LinkedIn – http://www.linkedin.com/in/jeremyrubin

MIT Bitcoin Project – http://mitbitcoinproject.org
Loupe – http://dl.acm.org/citation.cfm?id=2647361
Tidbit – http://bit.ly/1tqjx87
Pizza Predictor – http://randomacts.media.mit.edu
Barbot – http://500sw.github.io/intro
Graffiti Codes Article – http://bit.ly/11kaZBE
Junkyard Jumbotron – http://bit.ly/16fmPzo

Other Activities

Student Information Processing Board – *Member*
Phi Kappa Theta Fraternity – *Brother*
MIT TechX/Techfair – *HackMIT Dev. 2013-2014*
MIT Varsity Squash *2013 Season*

Longboarding, Unicycling, Road Cycling
Photography