

# JEREMY L. RUBIN

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## EDUCATION

### Massachusetts Institute of Technology (MIT)

Cambridge, MA

*Bachelor of Science in Electrical Engineering and Computer Science*

June 2016

*With humanities concentration in Comparative Media Studies*

*GPA 4.5/5.0*

### Phillips Exeter Academy

Exeter, NH

### UCSB

Santa Barbara, CA

*GPA 9.64/11.0*

June 2012

*GPA 4.0/4.0*

R.M.P. 2010

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## EXPERIENCE

### MIT Bitcoin Project

Cambridge, MA

*Technical Director*

March 2014 to Present

- Created and ran an initiative which gave every MIT undergrad \$100 in Bitcoin

### Tidbit

Boston, MA

*Founder*

November 2013 to Present

- 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

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## 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

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## AWARDS

### Node Knockout 2013

Most innovative award for Tidbit

### MIT Pokerbots Competition 2013

2<sup>nd</sup> place in artificial intelligence poker tournament new team bracket

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## RELEVANT SKILLS & COURSEWORK

**Languages** – *Python, Java, Go, C/C++, Assembly, Haskell, OCaml, JavaScript, Ruby, Julia, 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*

**Computer Systems Security** – 6.858

**Constructive Computer Architecture** – 6.175

**Operating System Engineering** – 6.828

**Game Theory and Social Behavior** – 14.11

**Microcomputer Project Lab** – 6.115

**Computation Structures** – 6.004

**Introduction to Algorithms** – 6.006

**Introduction to Machine Learning** – 6.036

**Introduction to EECS I & II** – 6.01 & 6.02

**Elements of Software Construction** – 6.005

**Electricity and Magnetism** – 8.022, hard version

**Linear Algebra** – 18.06

**MIT Pokerbots Competition** – 6.S912

**Mathematics for Computer Science** – 6.042

**Reddit Machine Learning Ind. Study** – CMS.603

**Mobile Technology** – 21W.789

**Media Systems & Texts TA** – CMS.400

**Web Programming Competition** – 6.470

## MEDIA & LINKS

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**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>

## OTHER ACTIVITIES

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**Phi Kappa Theta Fraternity** – *Brother*

**MIT TechX/Techfair** – *HackMIT Dev. 2013-2014*

**MIT Varsity Squash** *2013 Season*

**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>

**Longboarding, Unicycling, Road Cycling  
Photography**