

# JEREMY L. RUBIN

jlubin@mit.edu

<https://github.com/JeremyRubin>

Mobile: (805)-280-8095

---

## EXPERIENCE

---

### Nokia

*Intern*

Sunnyvale, CA

*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.
- Product Manager and Embedded System Engineer for a barbot designed and built by all the Nokia Sunnyvale interns as a part of the Advanced Engineering group.

### MIT Media Lab Viral Spaces

*Undergraduate Researcher*

Cambridge, MA

*June 2011 to Present*

- Lead developer on Graffiti Codes, mobile app for encoding messages to drawings via graffiti gestures.  
<http://bit.ly/11kaZBE>
- Implementing social authentication for Facebook and Twitter integration for Brin.gy, an instant social data web application creation suite
- Developed video playback support to Junkyard Jumbotron: web app for linking internet-enabled devices together as one screen, like in sports stadium. <http://c4fcm.github.io/Junkyard-Jumbotron/>

### Azapa: Electric Motorcycles

*Intern*

*Summer 2012*

- Battery pack optimization by minimizing parallel internal resistance variation via simulated annealing using Ruby.

## EDUCATION

---

### Massachusetts Institute of Technology (MIT)

*GPA 4.5*

*Electrical Engineering and Computer Science*

*Humanities concentration in Comparative Media Studies.*

*September 2012 to Present*

*Class of 2016*

### Phillips Exeter Academy

*GPA 9.64/11.0*

*September 2009 to June 2012*

*Class of 2012*

### University of California Santa Barbara

*GPA 4.0*

*Summer 2010*

*Research Mentorship Program*

## RELEVANT COURSEWORK

---

**6.006\*** – *Introduction to Algorithms*

**6.02\*** – *Introduction to EECS II*

**6.01** – *Introduction to EECS I*

**8.022** – *Electricity and Magnetism (hard version)*

\* denotes current coursework

**6.005\*** – *Elements of Software Construction*

**18.06\*** – *Linear Algebra*

**6.042** – *Mathematics for Computer Science*

**21W.789** – *Communicating with Mobile Technology*

## SKILLS

---

**Web Dev.** – *JavaScript, CSS, HTML5, jQuery, Bootstrap, Tornado, beego, Rails, node.js, MongoDB, nginx*

**Embedded Systems** – *Arduino, Raspberry Pi*

**Languages** – *Python, Java, Go, Ruby, Julia, C++/C*

**Native Mobile** – *Backend Android*

## AWARDS

---

### MIT Pokerbots

2<sup>nd</sup> place in MIT's Artificial Intelligence poker tournament new team bracket.

*January 2013*

## OTHER ACTIVITIES

---

**MIT TechX/Techfair** – *Dev. Ops.*

**Phi Kappa Theta** – *Brother*

**MIT Varsity Squash** *2013 Season*

**Unicycling, Road Cycling, Longboarding**

**Photography**