Jeremy L. Rubin

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Education

Massachusetts Institute of Technology (MIT) *Cambridge, MA*
Bachelor of Science in Electrical Engineering and Computer Science *Expected 2016*
GPA 4.5/5.0
Humanities concentration in Comparitive Media Studies.

Phillips Exeter Academy *Exeter, NH*
GPA 9.64/11.0 *June 2012*

University of California Santa Barbara *Summer 2010*
GPA 4.0/4.0 *Research Mentorship Program*

Relevant Skills & Coursework

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*

Introduction to Algorithms – *6.006**
Introduction to EECS II – *6.02**
Introduction to EECS I – *6.01*
Electricity and Magnetism – *8.022, hard version*
MIT Pokerbots Competition – *6.S912*
Elements of Software Construction – *6.005**
Linear Algebra – *18.06**
Mathematics for Computer Science – *6.042*
Mobile Technology – *21W.789*
Web Programming Competition – *6.470*

* denotes current coursework

Experience

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 Present*

- Developing Graffiti Codes, mobile app for encoding messages to drawings via graffiti gestures.
- Developed video playback support to Junkyard Jumbotron: web app for linking internet-enabled devices together as one screen, like in sports stadium.

Azapa: Electric Motorcycles
Software Engineering Intern *Summer 2012*

- Wrote a simulated annealing algorithm using Ruby which optimizes battery pack layout by minimizing parallel internal resistance variation.

Awards

MIT Pokerbots Competition *January 2013*
2nd place in MIT's artificial intelligence poker tournament new team bracket.

Links

GitHub – https://github.com/JeremyRubin
LinkedIn – http://www.linkedin.com/in/jeremyrubin
Personal Website – http://RubinTe.ch
Graffiti Codes Article – http://bit.ly/11kaZBE
Junkyard Jumbotron – http://bit.ly/16fmPzo

Other Activities

MIT TechX/Techfair – *HackMIT Dev. Ops.*
Phi Kappa Theta Fraternity – *Brother*
MIT Varsity Squash *2013 Season*
Unicycling, Road Cycling, Longboarding
Photography