Tyler Smith

Curriculum vitae

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github.com/prudentbot

Education

UC Santa Cruz — **Bachelor's of Science, Computer Science**
Expected Winter 2015

Work experience

Summer 2014

Mozilla
Intern

I was working on Firefox last Summer at Mozilla Mountain View. I ended up doing a lot of work on integrating Push with ServiceWorkers. Here's my intern presentation.

https://air.mozilla.org/intern-presentations-26/

June 2013 – April 2014

Oceanic Scales
Lead Developer

I did a lot of programming for this art project sponsored by the Digital Arts New Media program. It's basically a big physical oceanographic data visualization made out of LEDs.

http://oceanicscales.com/

August 2012 – June 2013

Learning Support Services
Student Learning Assistant (Tutor)

I led group tutoring sessions 3 times a week for the Intro to Data Structures class. Sessions usually had about 10-15 people and I mostly just had to know about data structures. I have student reviews if you're interested.

http://www2.ucsc.edu/lss/

Languages/Tools

Best at	C, C++, Java, Python, Javascript, HTML, Node, Express, Angular, Meteor
Can do	Ruby, Haskell, CSS, Assembly
Played with	Go, Lua, Objective-C, PHP, Perl
Miscellany	Windows/Mac/Linux, web2py, vim, LaTeX, Photoshop, Final Cut, Google Gruyere, Wireshark, git, mercurial, tons of libraries

Notable Projects

now

gadfly.meteor.com
Gadfly

A side project I'm working on right now in Meteor. The goal is to try to build a platform where arguments on the internet actually reach a conclusion.

2014

https://github.com/jackflips/TempoRun
TempoRun

We won best music hack at YC Hacks last Summer! We used accelerometer data to adjust the tempo of your music to match your stride.

2012

https://twitter.com/HC11Baby
HC11 Baby

For a school project we made microcontrollers from 1985 do a Diffie-Hellman key exchange and send encrypted messages to each other over Twitter.

Relevant Coursework

Intro to Programming (Accelerated)
Intro to Data Structures
Computer Systems/Assembly Languages
Linear Algebra
Newtonian Physics
Abstract Data Types
Intro to Networking (OSI Stack and Router Programming)
Derivative, Integral, and Multivariable Calculus
History of Math (Math Oriented)
Hypermedia and the Web (web development)
Computer Architecture (CPUs)
Intro to Algorithm Analysis
General Chemistry
Applied Discrete Math
Advanced Programming (C++)
Comparative Programming Languages
Computational Models
Operating Systems