Sean Smith
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JOB OBJECTIVE

I want to solve interesting problems that affect millions of people all over the globe.

EDUCATION

Boston University, Boston MA
Bachelor of Science, Computer Science, 2017
Combined BA/MS Program
G.P.A. 3.40/4.0

EXPERIENCE

Course Assistant for CS 112 (Data Structures and Algorithms)
Boston University August 2015-Present

- I hold 3 office hours a week and teach 1 lab section as well as answer student's questions online.

Software Development Intern AthenaHealth June 2015-August 2015
Watertown, MA

- I created a company wide regression framework that coordinated the scheduling and running of regressions. Regressions run old code and new code then compare the results.
- The framework was developed in Perl, pulled in source code from the version control system Perforce, and was scheduled using Jenkins.
- The framework was multi-threaded and resulted in a 4x speed increase over the predecessor.

President of BUILDS Boston University June 2015 - Present

- President of the on campus maker space BUILDS. http://builds.cc
- With BUILDS, I won 3rd in NSEC CTF, 2nd in the UDE Hackathon.

Software Development Intern ActivePrime June 2013-August 2014
Mountainview, CA

- I spent summer 2014 writing an automated testing api in python using selenium. I wrote 6k lines of code, 40 test cases and documentation using sphinx.
- My code was deployed on a server and is the core of the ActivePrime QA process. I trained the software engineers at ActivePrime to use the API and new cases are written for every new product release.
- Before my automated testing api all ActivePrime products were tested by hand taking a month of QA time for every release. Now it takes several days.

TECHNICAL SKILLS

Main languages: Perl, Python, Java, C, C++, Javascript
Skills: Linux, Jenkins, Selenium, OpenCV, Sphinx, SQL, Flask, Node.js

PERSONAL PROJECTS

- Sea Rover: A 14-foot autonomous boat build to navigate the ocean. The software is built to withstand multiple system failures. https://www.kickstarter.com/projects/bdommie/sea-rover
- Autonomous Drone: An Arduino based quadcopter built to intelligently navigate itself indoors. Funded by the Undergraduate Research Program for 3 semesters.
- Bitcoin Sentiment: A prediction algorithm that scrapes the web to predict future Bitcoin prices then trades on it. Making 1$ a day on small investment.

FAVORITE COURSES

Network Security, Cryptography, Computer Vision, Programming Languages, Advanced Algorithms

AWARDS

- Eagle Scout
- Dean's List for the last two semesters