Joseph D. Batchik

Contact Information

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Objective

To secure a 2015 summer internship in the field of computer science.

Experience

Google - New York, NY — Summer 2014
SRE Engineering Practicum Intern — `http://google.com/`
Worked on load testing infrastructure and implemented performance increases in multiple systems as a site reliability engineer. Languages / tools used: Java, Python, various Google data stores.

Amazon - Seattle, WA — Spring 2014
Software Developer Engineer Intern — `http://amazon.com/`
Worked with various Amazon cloud products such as Cloud-Search, SNS, and SQS to develop an internal search tool for the Enterprise Data Warehouse team. Languages / tools used: Java, various AWS products

John Hopkins University Applied Physics Lab - Laurel, MD — Summer 2013
Engineering Intern — `http://jhuapl.edu/`
Implemented a sensor management system used to control and collect data from multiple telescopes remotely. Languages / tools used: Java, ant, svn, SQL, Google Protocol Buffers.

Six3 Systems, Inc. - Fulton, MD — Summer 2012 - http://six3esd.com
SRA International - Columbia, MD — Summer 2012 - http://sra.com
RTGX - Ross Technology, Inc. - Baltimore, MD — Summer 2011 - http://rtgx.com
Computer Science Corporation - Hanover, MD — Summer 2011 - http://csc.com

Education

Rochester Institute of Technology - Rochester, NY — September 2012 - Present

- Major: Computer Science, Minor: American Politics
- Dean's List (3.6 GPA)
- Expected graduation: May 2016

Technical Skills & Certifications

Languages (a) Python (b) Java (c) HTML / CSS (d) Ruby (e) Go
Certifications (a) Cloudera Certified Developer for Apache Hadoop, 2012
Tools (a) git (b) svn (c) vim (d) rails (e) postgreSQL (f) Google Protocol Buffers

Self-Directed Projects

Sys Mon: Developed a system monitoring tool in Ruby to monitor load average, memory usage, and IO. All the log data is viewable through a web interface with graphs over time.

Github Stats: Create a data anaylzer in Go to determine the language usage of repositories on GitHub. This showed the connections between various languages and usage over time. This data anaylzer was set up in a distributed manner using RabbitMQ.

LDAP Profiles: Created a Ruby on Rails web server that is a web interface to LDAP servers. It uses SASL authentication with WebAuth to provide security.

Mobile News: Wrote an Android application to allow users to read and edit the Computer Science Houses internal news network on a native application.

Housing Site: Designed a Python web server to allow for room registration for future room assignments for members of the Computer Science House.

Awards

Maryland Math Engineering Science Achievement: Won 1st place in both regional and state level competitions for developing a maze traversal algorithm in Python.

Website Excellence Award, FIRST Robotics: Developed and maintained an award-winning website for my school's FIRST robotics team.

Clubs & Activities

CSH (Computer Science House): An organization at RIT that provides a living and learning environment with access to unique facilities and hands-on learning, all in a social environment.