Joseph D. Batchik

Contact Information

http://jd.batchik.net

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/`
Implemented load testing infrastructure for newly released software. Reduced request latency by 70% for backend monitoring services. Languages / tools used: Java, Python, Protocol Buffers, Google data stores.

Amazon - Seattle, WA — Spring 2014
Software Developer Engineer Intern — `http://amazon.com/`
Overhauled internal search capabilities for the Enterprise Data Warehouse team, using various Amazon cloud products, including Cloud-Search, SNS, and SQS.

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

Additional prior summer internships:
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: In-Major: 3.82 GPA, Over All: 3.6 GPA
- Expected graduation: May 2016

Technical Skills & Certifications

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

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: Built a data anaylzer in Go to determine the language usage of repositories on GitHub. This showes the connections between various languages and usage over time. The data anaylzer was set up in a distributed manner using RabbitMQ to increase network performance.

LDAP Profiles: Created a Rails web application to act as a friendly interface to LDAP servers. It integrates with WebAuth to securely bind to LDAP and to safely deal with user information.

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.