

Joseph D. Batchik

CONTACT INFORMATION

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EXPERIENCE

Cloudera - San Francisco, CA Summer 2015
Software Engineer Intern <http://cloudera.com/>
Worked on a several parts of Apache Spark, including implementing performance increases which reduce network traffic by over 90% and integrating Apache Avro as a first class citizen into Spark core. Languages / tools used: Scala, Java, Avro.

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 back-end 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/>
Working with a team, 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) Scala (b) Python (c) Java (d) Ruby (e) Go (f) Haskell
Tools (a) Git (b) Apache Spark (c) Apache Avro (d) Rails (e) PostgreSQL (f) JUnit (g) Protocol Buffers
Certifications (a) Cloudera Certified Developer for Apache Hadoop, 2012

SELF-DIRECTED PROJECTS

Wikipedia Page Views: Using HDFS and HBase, built a system that processed and stored the page view log data for all of Wikipedia and presented the information in a real-time web UI. Created and maintained myself an 8 node Hadoop cluster for the project.

Github Language Analysis: Built a data analyzer and ingest pipeline using Go to determine the programming language usage across all of GitHub. This provided key insights to language usage trends over time and in comparison to each other. Implemented a distributed ingest pipeline to increase processing capabilities.

LDAP Profiles: Created and maintain a Rails web application to act as a friendly interface to LDAP servers. It integrates with WebAuth to securely provide keyless login. Actively used in production at Rochester Institute of Technology.

AWARDS

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

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.