Robert W. Ruenes

Contact Information

Robert W. Ruenes
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Education

Tufts University Medford, MA
B.S. with Highest Honors in Computer Science, February 2015
GPA: 3.94

Work Experience

Google Software Engineer ***July 2015 onward***
New York, NY

Tufts Department of Computer Science Teaching Assistant ***Sept 2012 - Present***
Medford, MA
- Run office hours and grade for Programming Languages and Internet-Scale Distributed Systems courses. Past: Intro to CS, Machine Structure and Assembly Language Programming

Galatea Associates LLC Software Development Intern ***June 2014 – Dec 2014***
Somerville, MA
- Completed development and improved extensibility of an integration test project used to catch bugs in the development stage of a stock position keeping system utilized by investment bankers.

MIT Lincoln Laboratory Computing and Analytics Intern ***May 2013 – Aug 2013***
Lexington, MA
- Contributed to a big data project by creating a tool to automatically collect new data daily, writing MapReduce jobs to perform analysis on the data set, and implementing new features in a web-based visual tool used to view and analyze the data set.

Invited Talks

"Global Pattern Search at Scale 2.0: Moving from prototype to scalable system"
- Given 8/21/2013 at MIT Lincoln Laboratory in Lexington, MA.

Computing Experience

Programming Languages (in order of proficiency): Java, C++, C, Python, JavaScript
Experience with: HTML, CSS, SVN, Git, Spring, Maven, Eclipse, MapReduce
Notable Projects:
- RPC Generate: Remote Procedure Call proxy and stub generator (C++)
- LRFCP: File Copy Protocol Client and Server, demonstrates End-to-End Principle (C++)
- RedditRocks: Spotify Playlist Generator based on popular music subreddits (Python)
- Image Compressor: Utilizes Discrete Cosine Transform, outperformed reference implementation with respect to image preservation (C)
- Squarified Treemaps and Force-Directed Node Link Diagram implementations (Processing)

Academic Honors

Summa Cum Laude
Tufts University Dean's List, All Semesters

Coursework

Data Structures, Machine Structure and Assembly Language Programming, Internet-Scale Distributed Systems, Programming Languages, Visualization, Discrete Mathematics, Calculus II, Linear Algebra, Algorithms, Computation Theory, Web Programming, Concurrent Programming, Operating Systems

Activities

Tufts University Men's Club Fencing Team ***Oct 2011 – Dec 2014***
- Men's Team Captain and Epee Squad Captain