

Daniel Jih

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Education:

Stanford University, Stanford, CA

Master of Science in Computer Science (Expected June 2015)

Tufts University, Medford, MA

Bachelor of Science in Electrical Engineering, May 2011 (GPA: 3.90/4.00)

Honors: Summa Cum Laude, Dean's List all semesters, Tau Beta Pi Honor Society, Eta Kappa Nu Honor Society

Awards: Prize Scholarship of Class of 1882, Morris and Sid Heyman Prize Scholarship

Skills:

Operating Systems: Linux, Mac OS X, Windows XP, Windows 7

Software: Python, Java, C++, PostgreSQL, MySQL, JavaScript, Node.js, Express, HTML, CSS, MATLAB, VBA

Relevant coursework:

Information Retrieval and Web Search, Mining Massive Datasets, Algorithms, Databases, Social Network Analysis, Computer Security, Human Computer Interaction Design, Data Structures, Computer Systems

Projects:

Hang-outs – a mobile web application for Stanford students to organize casual hangouts to meet new people

- Architected and coded entire Node.js backend and Express frontend and all of the PostgreSQL tables
- Used Google Analytics to run A/B tests on alternative interface designs and measure user response

Experience:

Stanford University Department of Computer Science - Stanford, CA

April 2014 – Current

Teaching Assistant – CS 110: Principles of Computer Systems

- Hold weekly office hours for individual student consultations about homework assignments
- Grade homework assignments and advise students on coding style and runtime efficiency

Yelp – San Francisco, CA

June – September 2014

Full Stack Software Engineering Intern – Biz Team

- Added a personalized list of interesting business events to a weekly email sent to millions of Yelp business owners
- Designed an algorithm to identify the most interesting weekly business events, maximizing freshness and variety
- Created and load-tested a new API end-point in a backend service to support querying of interesting events
- Added Google Analytics to track effectiveness of new email campaign, performed Litmus testing for email clients

Trip Advisor - Newton, MA

July 2012 – August 2013

Full Stack Software Engineer – Content Moderation and Integrity

- Worked with a project manager to implement a system that identifies users committing review fraud
- Analyzed large amounts of review data and statistics using Hadoop and Hive to support a dynamic fraud filter
- Created a complete frontend and backend solution for handling hotel owner-reported blackmail incidents
- Rotated to the SEO team, working on a system to manage on-page search ranking factors across all points of sale

MIT Lincoln Laboratory - Lexington, MA

August 2011 – June 2012

Assistant Staff– Group 107: Advanced Capabilities and Systems

- Designed and implemented the complete high-level processing for an autonomous target-finding UAV
- Scripted a suite of analysis tools in MATLAB to gain insight into the performance of an airborne radar platform
- Suggested efficiency improvements for a radar image formation algorithm

Additional Information:

- Activities: Stanford Badminton Team, Stanford Taiwanese Student Association, Rock Climbing, Digital Photography
- Fluent in Mandarin Chinese