Jessica Lin

Curriculum Vitae

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Profile

4th year Computer Science and Cognitive Science double major with interests in.

- Brain-Machine Interfaces and Computational Modeling
- Machine Learning and Machine Vision

Education

2011-2015 **Bachelor of Arts**, *The University of California*, Berkeley, *GPA – 3.66*.
Specializing in Computer Science and Cognitive Science
Coursework: Data Structures, Machine Architecture, Algorithms, Databases, Artificial Intelligence

Technical Skills

Proficient In Java, Python, Ruby on Rails, Javascript, MATLAB, *NIX and Mac OS X
Familiar With HTML, CSS, C

Projects

Sept. 2013 – Present **Berkeley Public Schools Fund: Friends and Family Grant Web Application**, Blueprint.

- Using Ruby on Rails to develop a web application to allow district teachers to apply for and crowdsource grants.
- Designating various user features and authorizations for admins, applicants, and donors.
- Working with PostgreSQL and Heroku to deploy for entire Berkeley school district in Fall 2014.
- Pilot website: `https://schoolsfund-friendsandfamily.herokuapp.com`

Experience

June 2014 – Present **Software Engineering Intern**, Redfin,
San Francisco, CA.

- Automating home tour recommendations using an algorithm to consider the client's hours of preference, agent's open hours, and seller's home availability. Team-oriented, back-end heavy project.
- Building from scratch a dashboard for market managers to control their agents' filters in order to maximize revenue for their market. Independent, full-stack project.
- Utilizing SQL, Java, Javascript, HTML, and CSS for full stack work.

May 2013 – Present **Undergraduate Researcher**, AMPLab (Algorithms, Machines, People),
Berkeley, CA.

- Data mining log analysis queries using machine learning in order to draw insight on log analysis patterns.
- Scripting in Python and working with UNIX and Splunk
- Generating figures for and participating in the writing of an accepted paper for the LISA conference in 2014 (see Publications below).

Publications

2014 S. Alspaugh, B. Chen, J. Lin, A. Ganapathi, M. Hearst, and R. Katz. Analyzing Log Analysis: An Empirical Study of User Log Mining. In *Large Installation System Administration Conference*, 2014.

Organizations

2013 – 2014 **Blueprint**, *Technology for Non-Profits*, *calblueprint.org*.
Internal Vice President and Project Developer

2013 – 2014 **Upsilon Pi Epsilon**, *Computer Science Honor Society*, *upe.berkeley.edu*.