

Jennifer Dai

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Education

Class of 2015 **UC Berkeley** B.A. Computer Science 3.67, B.A. Mathematics 3.74
Related Coursework: Structure and Interpretation of Computer Programs, Data Structures, Machine Structures, Algorithms, Probability, Discrete Mathematics, Linear Algebra

Languages

In order of comfort: Java, Python, C, Scheme, R
Front-end languages: HTML5, CSS3, Javascript

Work Experience

UC Berkeley Undergraduate Research Apprenticeship Program **Summer 2012-Spring 2013**
Isolated specific trends in the chromosome arms of those with breast cancer to statistically relate different phenotypes.
Technical skills: Python, R
UC Berkeley Student Learning Center **Summer 2012-Summer 2013**
Tutored students privately in math courses and helped teach study groups of 50 students upwards.
Marvell Semiconductor Inc. **Summer 2010**
Processed internal customer data.

Selected School Projects

Scheme Interpreter **July 2013**
Wrote an interpreter in Python and Scheme
Sliding Block Puzzle **July 2013**
Used Eclipse, JUnit Tests, Java to optimize a sliding block puzzle solver.
MapReduce **September 2013**
Used EC2, Hadoop, Java to calculate the statistical co-occurrence of all the words in a corpus.
Image Processing **September 2013**
Played with C, SIMD, Open MP to optimize an image convolution algorithm.
CPU **September 2013**
Built a simplified CPU using Logisim.

Personal Projects

Jenniferdai.com **September 2013**
Created a personal website from scratch using HTML5, CSS3, and Javascript.
Set Cheat **September 2013**
Wrote Javascript with a friend to cheat at multiplayer.set.com.
<https://www.dropbox.com/sh/jtlrqowyloqighs/UKKXr2oGGs>
Captcha Reader **October 2013**
Teamed up at the CSUA Hackathon to write a Captcha Reader in Matlab.
Typing Web Application **November 2013**
Teamed up at the hackers @ Berkeley Hackathon to write a multiplayer typing web application using Javascript.

Clubs

Upsilon Pi Epsilon **Fall 2013-Current**
Computer Science Honors Society on campus.
Cal Running Club **Fall 2011-Current**
Tear up the roads on a weekly basis.