

Jennifer Dai

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Education

UC Berkeley, College of Letters & Science, Class of 2015

Majors: Mathematics, GPA: 3.74, Computer Science, GPA: 3.67

Core Course Work: Statistics, Math, Computer Science, Chemistry, Biology

Harker High School Class of 2011

Concentration: Math and Computer Science

EMT (Emergency Medical Technician) Training Summer 2012

Certified

Work Experience

UC Berkeley Undergraduate Research Apprenticeship Program Summer 2012-Spring 2013

Research Topic: Isolating specific trends in the chromosome arms of those with breast cancer to relate different phenotypes

Languages used: Python, R

Supervising Professors: Javier Arsuaga, Rainer Sachs

UC Berkeley Student Learning Center Tutor Summer 2012-Summer 2013

Tutoring students in math courses as part of a university program.

Supervisors: Mike Leong, Mike Wong

Sales Intern, Marvell Semiconductor Inc. June 2010-August 2010

Interacted with internal customers, followed through with sales, organized purchase orders

Interesting School Projects

Wrote a Scheme interpreter in **Python** and **Scheme** July 2013

Optimized an algorithm in **Java** using **Eclipse**, **JUnit** Tests, to solve a sliding block puzzle July 2013

<https://www.dropbox.com/sh/9v7lvqnygx5j76z/egkGT8EWby>

Implemented a **MapReduce** project using **EC2** and **Hadoop** September 2013

<https://www.dropbox.com/sh/trlofvbkryzqpz7/h98O2dCnah>

Optimized an image processing algorithm in **C** with partner using **SIMD** and **Open MP** October 2013

<https://www.dropbox.com/sh/1qy5k5uybobhcat/uszZGzHOwB>

Built a **CPU** with **Logisim** Nov 2013

Other Projects

Jenniferdai.com using **HTML5**, **CSS**, **Javascript** September 2013

Wrote backend in **Javascript** to cheat at the game Set. Compatible with multiplayer.set.com September 2013

<https://www.dropbox.com/sh/jtlrqowyloqighs/UKKXr2oGGs>

Teamed up to write a Captcha reader in **Matlab** October 2013

Created a multiplayer typing **Web App** in **Javascript** Nov 2013

Hobbies/Clubs

Upsilon Pi Epsilon(CS Honor Society) Fall 2013, **Cal Running Club** Fall 2011-Current