

Jennifer Dai

28065 Natoma Rd. Los Altos Hills, CA 94022

Phone: 650-714-2316, E-Mail: Jennifer.dai@berkeley.edu

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

Teacher, Fremont Violin School (10 hours per week, volunteer work) June 2010-August 2010

Taught violin to students ranging from ages 5-15.

Interesting School Projects

Wrote a Scheme interpreter in Python and Scheme July 2013

Optimized an algorithm in Java to solve a sliding block puzzle July 2013

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

Implemented a MapReduce project in java using Hadoop September 2013

<https://www.dropbox.com/sh/trlofvbkyszqpz7/h98O2dCnah>

Optimized an image processing algorithm in C with partner using SIMD instructions and making use of Open MP directives October 2013

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

Other Projects

Jenniferdai.com using HTML5, CSS 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

Hobbies/Clubs

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