

Jennifer Dai  
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## UC Berkeley

## Summer 2015, Computer Science B.A.

Structure & Interpretation of Computer Programs, Data Structures, Machine Structures, Algorithms, Computer Security, Computer Architecture, Discrete Mathematics, Probability, Linear Algebra, Real Analysis, Operating Systems, Signals and Systems, Artificial Intelligence, Internet of Things

## Experience

LinkedIn	May – August '15
<ul style="list-style-type: none"><li>Consumer products</li><li>Java8, rest.li</li></ul>	
Google	May – August '14
<ul style="list-style-type: none"><li>Real-Time conversion estimation for mobile advertising</li><li>C++, Databases(xml)</li></ul>	
61BL Reader	June – August '15
<ul style="list-style-type: none"><li>Grading for UC Berkeley's data structures and algorithms class</li></ul>	
UC Berkeley Research Assistant	June '15 -
<ul style="list-style-type: none"><li>Machine Learning and Data Analysis</li><li>Python</li></ul>	
UC Berkeley/SF State Research	June 12' – Jan '13
<ul style="list-style-type: none"><li>Statistical analysis of breast cancer chromosome arms as related to phenotypes such as age and recurrence</li><li>Python, R</li></ul>	
Math TA	June 12' – June '13
<ul style="list-style-type: none"><li>TA for math study groups and private tutor at the UC Berkeley Student Learning Center</li></ul>	
Marvell	May – August '10
<ul style="list-style-type: none"><li>Global sales order processing and product ship fulfillment</li></ul>	

## Personal Projects

JollyFact	Nov '14
<ul style="list-style-type: none"><li>An Angular.js web application that attempts to tackle mental health stigma in a lighthearted way</li></ul>	
Multiplayer Typing Web Application	Nov '13
<ul style="list-style-type: none"><li>A multiplayer typing game using Angular.js</li></ul>	
Captcha Reader	Oct '13
<ul style="list-style-type: none"><li>Attempt to read captchas using Matlab</li></ul>	
Personal Website	Sept '13
<ul style="list-style-type: none"><li>Jenniferdai.com (HTML5, CSS3)</li></ul>	
Set Cheat	Sept '13
<ul style="list-style-type: none"><li>Javascript application that plays set</li></ul>	

## Internet of Things

Crockpot	March '15
<ul style="list-style-type: none"><li>Internet and Bluetooth controlled rice cooker that interacts with a smart shelf, publishes to SMAP (timeseries plot), broadcasts to nearby monitors</li></ul>	
NFC Android App	Nov '14
<ul style="list-style-type: none"><li>Bluetooth functionality, Using NFC tags to catalogue expired food items</li></ul>	
Toaster	Oct '14
<ul style="list-style-type: none"><li>Internet-controlled toaster with auto-shut off based on temperature</li></ul>	
Pong Game	Sept '14
<ul style="list-style-type: none"><li>Simple game to increase reaction time, blinks LEDs on a board and reacts based on the button pressed, gives feedback on your computer</li></ul>	

## Skills

Java8(proficient), Python, C(moderate), C++(moderate)  
Web: HTML5, CSS, Javascript(moderate)  
Hardware: Firestorm(similar to an Arduino)  
Mobile: Android

## Selected School Projects

Image Convolution Optimization (C, SIMD, Open MP)	Sept '13
Statistical Co-Occurrence MapReduce (EC2, Hadoop, Java)	Sept '13
Puzzle Solver Optimization (Eclipse, JUnit, Java)	July '13

## Clubs

President of Upsilon Pi Epsilon, UC Berkeley CS Honors Society	Fall '13 - current
<ul style="list-style-type: none"><li>Speaker series aimed at creating an inclusive Computer Science community</li><li>Previously: Vice President, Professional Development Chair: Created a tutoring program for CS Students</li></ul>	
IM Dodgeball Team Captain	Fall '14
Women In Mathematics	Spring '14 – current
Cal Running Club	Fall '11 - current