

Christine Chen

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EDUCATION

University of California at Berkeley | Computer Science & Cognitive Science Major

August 2014 - May 2018

Class: Sophomore

Berkeley, CA

TECHNICAL SKILLS

- Java
- Python
- C
- HTML/CSS
- Photoshop

RELEVANT COURSEWORK

- Discrete Mathematics and Probability Theory (CS70)
- Machine Structures (CS61C)
- Data Structures (CS61B)
- Structure and Interpretation of Computer Programs (CS61A)
- Linear Algebra and Differential Equations (MATH 54)

SELECTED PROJECTS

Image Processing and Optimization

November 2015

- Used various enhancements such as OpenMP, cache blocking, register blocking, loop unrolling, loop reordering, and SSE instructions to optimize a script that convolutes images

Autocomplete

April 2015

- Implemented the Trie data structure and autocomplete functionality for a given set of terms and weights

Gitlet

March 2015

- A version control system much like git implemented through Java
- Functionalities include add, commit, remove, log, global log, find, status, checkout, remove branch, reset, merge, and rebase

Ants vs. Bees Game

October 2014

- Used object oriented programming in Python to develop a game based on Plants vs. Zombies
- Implemented classes of a myriad of special species of ants and bees based on an ancestor ant class and bee class

PREVIOUS EMPLOYMENT

Security Monitor

September 2015 - Present

Residential and Student Service Programs

Berkeley, CA

Valet Driver and Event Coordinator

May 2014 - August 2014

Majestic Valet

Aliso Viejo, CA

Private Tutor

September 2011 - June 2014

Self-Employed

Orange County, CA

SERVICE & INTERESTS

Tutor

September 2010 - June 2014

- Tutored math through the California Scholarship Foundation and National Honors Society

Valley View Gardens Alzheimer's House

January 2014 - June 2014

- Read stories, current affairs, and sports to the residents
- Set up meals, set up/clean up activities for residents, and prepare them for their daily routine

Languages

- Fluent in English, Proficiency in understanding Mandarin, Basic conversational Spanish

Interests

- Food, Origami, Puzzles, Alpacas, Sports, Harry Potter