

Education:

University of California, Berkeley | Berkeley, CA | Expected: Aug 2014 - May 2018

Major: Computer Science

Technical GPA: 3.93

Relevant Coursework:

Efficient Algorithms and Intractable Problems

Structure & Interpretation of Programs

Discrete Math and Probability Theory

Machine Structures

Data Structures

Work Experience:

Reader & Tutor, CS70 | Aug 2015 - Present

- Led tutoring sessions and office hours to guide students on weekly problem sets
- Administered weekly oral quizzes to test student understanding and clarify misconceptions

Lab Assistant, CS61A | Jan 2015 - May 2015

- Helped Teaching Assistants hold labs and office hours for introductory CS course with over 1000 students by answering questions about concepts, problems, projects, etc.

Projects:

MapReduce: PageRank [Python Spark] | Nov 2015

- Calculates relative popularities of webpages using graph model with sites as nodes, links as edges
- Factors in probabilities of users staying on pages, returning to previous pages, or following links

MIPS Linker/Assembler [C, MIPS] | Sep 2015

- Translates MIPS pseudo-instructions into TAL assembly code and hex machine instructions
- Turns machine instructions into an executable file by relocating symbols

Autocomplete/Alphabetizer [Java] | May 2015

- Alphabetically sorts words in input files given a customizable alphabet using tries
- Finds top matches for word prefixes in data using ternary search tries and priority queues

Skills:

Python

C

HTML/CSS/Javascript

Java

Latex

Leadership:

Director of Academic Affairs, ASUC Office of Senator Alicia Lau | Aug 2015 - Present

- Oversaw projects to obtain resources for students: tutors, electronics chargers, iClickers
- Implemented system of electronics rentals and generated revenue to fund the projects

Officer, Upsilon Pi Epsilon, the Computer Science Honors Society | May 2015 - Present

- Held weekly office hours to assist students in lower division Computer Science courses
- Contributed to organizing networking, social, and professional development events

Honors:

Member, Upsilon Pi Epsilon, the Computer Science Honors Society | Jan 2015 - Present

National Merit Scholarship Recipient | 2014