JUDY WANG

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EDUCATION

COLLEGE OF ENGINEERING, UNIVERSITY OF CALIFORNIA, BERKELEY **Berkeley, CA**
(Prospective) Bachelor of Science, Major in Electrical Engineering and Computer Science **2013-2017**

Relevant Coursework:

- Product Management Essentials (IEOR 186)
- Efficient Algorithms and Intractable Problems (CS 170)
- Operating Systems and Systems Programming (CS 162)
- Introduction to Database Systems (CS 186)
- Introduction to Artificial Intelligence (CS 188)

EXPERIENCE

CS 61AS, UC BERKELEY (Structure and Interpretation of Computer Programs) **Berkeley, CA**
Head Undergraduate Student Instructor **Summer 2015**

- Headed complete revamp of course website and course material, changed language from Scheme to Racket
- Led team of seven through writing exams, teaching lab and discussions, and preparing other course material
- Wrote complete documentation on the how-to's of teaching a class/being a student course administrator
- Created/maintained Bash scripts to automate attendance and grades and to provide easier student-facing interfaces

IQ SOLUTIONS (Company specializing in Health Information Technology) **Bethesda, MD**
Web Design Intern **2014-2015**

- Built a style guide for the NIH DPCPSI website using HTML/CSS/Sass/JS and tools such as Grunt
- Ported website from Foundation 4 to Foundation 5 framework in three days
- Optimized work flow in web design team using Grunt and Node.js and by introducing team to version control (Git)

DRAWN TO SCALE, UC BERKELEY (A Cappella) **Berkeley, CA**
Finance Manager **2015-Present**

- Increased revenue from last year by two fold through better publicity and outreach
- Cut costs of group maintenance by 1/3 through reducing expenditure and increasing purchase requests to university
- Tracked and documented donations through gigs, events, and other fundraising opportunities

PROJECTS

Drawn to Scale Webpage

- Created and designed the official UC Berkeley web page for a cappella group Drawn to Scale using Bootstrap

PintOS Alarm Clock Process Scheduler (CS 162 Operating Systems)

- Implemented thread timer and priority donation in mini-operating system written in C
- Implemented Mckusick's 4.4BSD Advanced Scheduler

Foodie App

- Designed and implemented a food blog/gallery app for the Rails Decal at UC Berkeley
- Includes features such as user authentication and commenting

LIFC Compiler (CS 61C Machine Architectures)

- Wrote a compiler in C for the homebrew language LIFC (syntax of Lisp, semantics of C) that parses LIFC code and generates equivalent MIPS assembly language code

LANGUAGES AND TOOLS

Languages
Lisp (Proficient), Python (Proficient), C (Proficient), Java (Familiar), HTML/CSS/JS (Proficient), Ruby (Familiar)

Tools/Frameworks
Git, Rails, Node.js, Bootstrap, Foundation 5, Grunt, Unix, Bash