

JUDY WANG

2573 Virginia Street
Berkeley, CA 94709
(240) 328-7762
judy.wang@berkeley.edu

EDUCATION

COLLEGE OF ENGINEERING, UNIVERSITY OF CALIFORNIA, BERKELEY
(Prospective) Bachelor of Science, Major in Electrical Engineering and Computer Science

Berkeley, CA
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)
Head Undergraduate Student Instructor

Berkeley, CA
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)
Web Design Intern

Bethesda, MD
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)
Finance Manager

Berkeley, CA
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

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

Spam Classification using Random Forests (CS 170 Algorithms)

- Implemented a naïve spam filtering program in Python using the random forests algorithms

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