

MELANIE WONG

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EDUCATION

University of California, Santa Cruz, CA

- Pursuing B.S. in Computer Science
- Expected Graduation: June 2021

- GPA: 3.8/4.0
- Dean's Honors

Relevant Coursework:

- Algorithms & Abstract Data Types
- Computer Architecture
- Web Applications
- Intro to Software Engineering
- Data Structures & Programming
- Principles of Computer System Design
- Data Wrangling & Web Scraping
- Coding for Social Good
- Computer Networks

WORK EXPERIENCE

Computing Intern – Lawrence Livermore National Laboratory, National Ignition Facility June – September 2019

- Refactored tech stack for LoCoS, an in-house web-based system for tracking laser & facility maintenance
- Implemented RESTful web services using Jersey, Axios, Node JS to replace Apache Struts Actions
- Redesigned user interface and front-end using React JS, Bootstrap, MobX, and TypeScript

Undergraduate Research Assistant – Tech4Good Lab, UCSC March 2019 – Present

- Performed qualitative analysis to investigate nontraditional pathways to tech careers
- Need-finding for potential products to support individual career development

Human Resources & Accounting Intern – Olson & Co. Steel, Inc. June – August 2016, 2018

- Assisted in Human Resources & Payroll Departments
- Reconciled bank accounts and general ledger accounts

Academic, Athletic, and Music Instructor – Leaderboard Afterschool & Summer Program June 2016 – August 2017

- Taught private piano lessons & classes in basic programming and Lego robotics engineering
- Organized daily recreational sports for students to encourage development of athletic and social abilities

PROJECTS

JPMorgan Chase & Co. Code for Good (2nd Place)

- Selected to attend a 24 hour hackathon to benefit the nonprofit organization, Green City Force
- Created a mobile web application alongside five other undergraduates that tracks & gamifies volunteer activities
- Utilized React JS, Node JS, SQLite, Bootstrap to incorporate user accounts and rewards systems

Stock Visualization Application

- Developed in a team of five at the Goldman Sachs Engineering Essentials Program
- Created web application that displays stock charts based on inputted stock ticker symbol and date interval
- Used technologies such as React JS, Jersey RESTful web services in Java, JSON, and Maven

Kappa Poll – TwitchCon Hackathon

- Built a Twitch Extension that allows streamers to create polls for viewers to interact with the stream in a meaningful way
- Votes are dynamically updated on a pie chart on the UI; uses React JS, Node JS, and PostgreSQL

TECHNICAL SKILLS

- Programming Languages: Java, C, JavaScript, TypeScript, HTML, CSS, Python
- Tools: Unix/Linux & Windows environments, Git, React JS, Node JS, Vue JS, Sublime Text, IntelliJ Idea, Eclipse
- Languages: English, Cantonese, and Mandarin

ACTIVITIES & ACCOMPLISHMENTS

2019 Engineering Essentials Fellow – Goldman Sachs May 2019

- One of 73 students (out of 1500 applicants) selected to attend
- Five-day program involving industry insights and intensive training in full-stack development

Rewriting the Code Fellow June 2019 – Present

- Year-long program offering career coaching, educational programming, industry exploration, networking, and internship opportunities to college women in tech

NCAA Track & Field Athlete – Sprinter/Hurdler February 2014 – Present

- Two-time National Junior Olympian; Team Captain & MVP (2016, 2017)
- Devotes up to 25 hours per week for training, competition, travel, and meetings

UCSC Scholars/Honors Program September 2017 – Present