

Debora Choi

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EDUCATION

University of California, Santa Cruz

B.S. Computer Science — Major GPA: 3.5

Santa Cruz, CA

Sep 2021 - Current

Relevant Coursework: Intro to Python, Computer Systems and Assembly Language, C Programming, Data Structures and Algorithms, Discrete Math, Computer Architecture, Computational Models, Foundations of Programming Languages, Principles of Computer Systems Design

TECHNICAL SKILLS

Programming Languages/Technologies: C/C++, Java, JavaScript, Python, HTML5/CSS, SCSS, TypeScript, Node.js, React, jQuery, RESTFUL API, Tkinter, AWS, Haskell, Gnuplot

Software Tools/Operating Systems : Git/Github, Unix/Linux, Latex, Microsoft Excel, Windows, macOS, iOS, Agile, Docker, Postman, Ubuntu

EXPERIENCE

Mission Bit (1st Place Most Creative Project) [Link](#)

Software Engineer Intern

San Francisco, CA

June 2021 - July 2021

- Implemented an interactive web application that generates customized Mad Libs word games based on user inputs
- Employed **Python** and **Tkinter** for the front end user interaction and the back end functionality design
- Collaborated effectively on Github, maintained code quality, and documented project components

Code Nation [Link](#)

Software Engineer Intern

San Francisco, CA

Sept 2019 - May 2021

- Created a movie database website with a static front end that allows users to search movies and view summaries
- Utilized **Javascript** for the front end interaction and **REST APIs** to interact with IMDB's movie database
- Demonstrated professional communication in an **Agile** setting through weekly sprints and presentations

PROJECTS

Sorting Algorithms

- Developed four distinct sorting algorithms in C including **bubble sort**, **shell sort**, **heap sort**, and **quick sort**, enhancing proficiency in **data structures** and **binary trees**
- Demonstrated expertise in memory management utilizing malloc and pointers for seamless variable access
- Conducted in-depth analysis by generating graphs with **Gnuplot**, evaluating their efficiency and runtimes

AWARDS & EXTRACURRICULARS

SlugLove (1st Place "Most Ambitious Idea" CruzHacks) [Link](#)

- Created a web application that utilizes chat rooms, a sticker shop, and a virtual gram maker
- Employed **JavaScript** and **React** to manage the backend logic and **Construct3** for the mini game
- Crafted a dynamic user interface by leveraging **HTML**, **CSS**, **React**, **TypeScript** and **Scalable Vector Graphics (SVG)**, utilizing advanced techniques like parallax scrolling for an immersive visual experience

FosterFeed (1st Place Code Nation Hackathon) [Link](#)

- Developed a web application addressing the needs of the foster care community, featuring job listings and resources
- Utilized **Java** for the back-end development, overseeing critical functions such as page routing and application logic
- Crafted an engaging front-end experience using **HTML** and **CSS**, ensuring optimal user engagement and navigation

Google Developer Club

Active club member

Santa Cruz, CA

October 2022 - present

- Actively participated in LeetCode practice sessions, enhancing proficiency in **algorithms** and **data structures**
- Engaged in weekly mock interviews sharpening problem-solving abilities, and interview readiness
- Fostered strong teamwork and communication skills through group projects and paired programming sessions

Interests: Gym, Hiking, Climbing, Sewing, Arts and Crafts, Journaling