

Debora Choi

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EDUCATION

University of California, Santa Cruz

Santa Cruz, CA

B.S. Computer Science — Major GPA: 3.5

Sept 2021 - Sept 2024

Relevant Coursework: Computer Systems, C Programming, Data Structures and Algorithms, Computer Architecture, Fullstack Development, Artificial Intelligence, Natural Language Processing

TECHNICAL SKILLS

Programming Languages/Technologies: JavaScript, React, Python, Node.js, TypeScript, Java, C/C++, REST API, SQL, MongoDB, HTML/CSS, AWS, Firebase, YAML, JSON, jQuery, XAML

Software Tools/Operating Systems: Git/GitHub, Docker, Unix/Linux, Agile, Postman, Ubuntu, PostgreSQL, DBeaver, Figma, Jupyter Notebooks, LaTeX, Microsoft Excel, Windows, macOS, iOS

PROJECTS

MangaReact [Link](#)

San Francisco, CA

Manga Database

Sept 2024

- Designed a responsive web application employing **HTML**, **CSS**, **JavaScript**, **React**, and **Material UI** to showcase top mangas, recently added titles, and user-favorited selections
- Developed a custom **REST API** to asynchronously fetch manga content, including chapters, pages, and cover images, while utilizing **JSON** for data exchange and **localStorage** for session data management
- Deployed the website using an **Amazon Web Services (AWS) EC2 container** and configured security groups, load balancing, and auto-scaling to optimize performance and manage traffic efficiently

SlackChat [Link](#)

Santa Cruz, CA

Slack Clone

Jul 2024

- Created a responsive messaging platform using **HTML**, **CSS**, **JavaScript**, **React**, and **Material UI**, ensuring an intuitive interface for logging in, creating channels, and sending messages
- Implemented a custom **REST API** for retrieving and posting content with well-defined schemas
- Deployed the application using **Docker** with a scalable back-end powered by **PostgreSQL**, and utilized **localStorage** for persistent user data and session management

Maomorize [Link](#)

Santa Cruz, CA

CruzHacks 2024

Jan 2024

- Designed a user-friendly interface employing **HTML**, **CSS**, **React**, and **JavaScript** through a component-based architecture, ensuring seamless functionality and a consistent user experience across a variety of devices
- Developed a dynamic web application utilizing **OpenAI's API** for personalized note improvement suggestions, asynchronously fetching data to analyze responses and provide tailored feedback
- Implemented secure user authentication with **Google Authentication** and **Firebase** for managing hashed passwords and user profiles, ensuring data integrity and real-time synchronization across platforms

EXPERIENCE

Mission Bit (Award Winner) [Link](#)

San Francisco, CA

Software Engineer Intern

June 2021 - July 2022

- 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](#)

San Francisco, CA

Software Engineer Intern

Sept 2020 - May 2022

- 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