Debora Choi

✉ deborachoi3@gmail.com — ☎ 510-519-9705 — 🔗 debora-choi — 🐙 deborachoi3 — 🏠 portfolio site

EDUCATION

University of California, Santa Cruz <div align="right">Santa Cruz, CA</div>

B.S. Computer Science — Major GPA: 3.5 <div align="right">Sept 2021 - Dec 2024</div>

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, TypeScript, React, Node.js, Python, Java, C/C++, REST API, SQL, MongoDB, AWS, Firebase, HTML/CSS, JSON, Figma

Software Tools/Operating Systems: Git/GitHub, Docker, Unix/Linux, PostgreSQL, CI/CD (GitHub Actions), Puppeteer, Jest, Agile, Jira, Postman, Asana (Workflow Specialist Certified), Jupyter Notebooks

EXPERIENCE

Keywords Studios <div align="right">San Francisco, CA</div>

Technical AI Researcher <div align="right">March 2025 - Present</div>

- Led AI data training initiatives by collecting and interpreting diverse datasets to enhance AI-human interactions and align with evolving technical and stakeholder requirements
- Built a **Python** automation script and used **Jupyter Notebooks** for data visualization and analysis, reducing manual data collection time by 40%
- Conducted QA evaluations to improve model accuracy and developed **Asana** workflows to streamline projects

Mission Bit *(Award Winner)* [Link] <div align="right">San Francisco, CA</div>

Software Engineer Intern <div align="right">June 2021 - July 2022</div>

- Implemented an interactive web application using **Python** and **Tkinter** that generates customized word games
- Developed both the front-end user interface and back-end logic, ensuring a smooth and responsive user experience
- Collaborated in an **Agile** environment, using **GitHub** for code reviews to ensure high code quality

PROJECTS

MangaReact [Link] <div align="right">San Francisco, CA</div>

Manga Database <div align="right">Sept 2024</div>

- Built a dynamic web app using **React**, **JavaScript**, **HTML**, and **CSS** to showcase top mangas, recently added titles, and user-favorited selections for over 100 users
- Developed a scalable **REST API** to asynchronously fetch manga content, leveraging **JSON** for data exchange and localStorage for session persistence
- Deployed the application on **AWS EC2**, optimizing load balancing and auto-scaling to reduce downtime and latency

HaiChat [Link] <div align="right">Santa Cruz, CA</div>

Slack Clone <div align="right">Jul 2024</div>

- Designed a responsive messaging platform using **React**, **JavaScript**, **HTML**, **CSS**, and **Material UI**, and developed a custom **REST API** for real-time content retrieval and posting
- Deployed the application using **Docker** and integrated a **PostgreSQL**-powered backend, ensuring scalability and reliability under varying traffic loads
- Implemented end-to-end testing using **Puppeteer**, simulating user flows and integrated tests into the **CI/CD pipeline** to catch regressions early, increase coverage, and ensure consistent production-level quality

Maomorize [Link] <div align="right">Santa Cruz, CA</div>

CruzHacks 2024 <div align="right">Jan 2024</div>

- Developed an interactive UI using **React**, **JavaScript**, **HTML**, and **CSS**, ensuring a consistent user experience
- Integrated **OpenAI's API** to provide personalized note suggestions, leveraging real-time analysis of user input to deliver accurate, context-aware feedback within 200ms
- Implemented secure user authentication using **Google Authentication** and **Firebase**, enabling real-time profile synchronization and ensuring data integrity through secure hashed credential storage