

Debora Choi

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EDUCATION

University of California, Santa Cruz

Santa Cruz, CA

B.S. Computer Science — GPA: 3.7

2021 - 2024

Relevant Coursework: Data Structures and Algorithms, Computer Architecture, Networking, Cybersecurity, Fullstack Development, Systems Design, Artificial Intelligence, Natural Language Processing

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, HTML/CSS, C/C++, SQL

Frameworks & Tools: React, Node.js, MongoDB, Firebase, AWS, REST API, Docker, Figma, JSON

DevOps & Automation: Git/GitHub, Unix/Linux, CI/CD (GitHub Actions), Shell Scripting, Puppeteer, Jest, Agile, Jira, Postman, Asana, n8n, HubSpot, Jupyter Notebooks

CERTIFICATIONS

AWS Certified Cloud Practitioner 🌐 — Asana Certified Workflow Specialist 🌐

EXPERIENCE

Keywords Studios

San Francisco, CA

Automation Engineer

Aug 2025 – Present

- **Technologies:** Apps Script, Google Sheets, JavaScript, HTML, CSS, Figma
- Identified crucial inefficiencies and engineered an automated out-of-office solution integrating Google Sheets, Calendar, and Gmail APIs, reducing processing time by **50%**
- Built and deployed a full-stack resource allocation dashboard with **real-time data syncing** across **3 regions**, improving cross-team visibility by **70%** based on stakeholder feedback praising the streamlined user experience
- Designed a custom EOD reporting system automating time-tracking for **150+ employees**, reducing manager overhead by **3 hours/week** and transforming a daily bottleneck into a seamless process

Technical AI Research Associate

Mar 2025 – Sep 2025

- Recognized as an **MVP** across highest-priority AI training projects, leading data collection while onboarding **50+ new researchers**, serving as a primary technical resource, and presenting demos to cross-functional teams
- Conducted QA evaluations and reviewed **700+ researcher runs** with detailed constructive feedback, identifying **edge cases and inconsistencies** that directly improved model accuracy and training data quality

PROJECTS

Maomorize 🌐

Santa Cruz, CA

CruzHacks 2024

Aug 2024

- Designed and built an AI-powered note-taking app integrating **OpenAI API** to deliver personalized study suggestions through real-time analysis of user notes and learning patterns
- Implemented secure authentication system using **Google OAuth 2.0** and **Firebase** for cloud data persistence

CapYReads 🌐

San Francisco, CA

Manga Database

Jul 2024

- Built a manga browsing platform supporting 100+ active users with **REST API** for asynchronous content fetching
- Architected AWS infrastructure using **EC2** instances behind **Application Load Balancer (ALB)** to optimize traffic routing and distribute requests, reducing average latency by 40%
- Configured **Auto Scaling Groups** with CloudWatch monitoring to dynamically adjust capacity based on demand

HaiChat 🌐

Santa Cruz, CA

Messaging Platform

Jul 2024

- Developed real-time messaging platform using **PostgreSQL**, enabling instant posting and retrieval of messages
- Containerized application with **Docker** and deployed to **AWS Elastic Beanstalk**, implementing automated **CI/CD** pipeline and end-to-end testing via **Puppeteer** to ensure code quality