

# CHICORY ROTH

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## SUMMARY

Experienced in collaborative settings, I excel in roles where I can contribute innovative solutions and actively troubleshoot critical issues. I really enjoy finding and fixing hard-to-find bugs. My passion is putting in the time to create solutions.

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## SKILLS

- Languages / Technologies: JavaScript / TypeScript, C / C++, Python, Java, React, Next.js, Spring Boot, Git, Docker, SQL, AWS
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## EDUCATION

**University of California - Santa Cruz**  
B.S. Computer Science

June 2023  
Santa Cruz, CA

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## WORK EXPERIENCE

### Freelance

September 2022 – Present

Full-Stack Web Developer

- Build full-stack web applications for clients
- Work with clients to develop a product that meets their needs
- Use Git for version control and issue tracking

### College of the Canyons

September 2019 – December 2019  
Santa Clarita, CA

Computer Science TA

- TA for Introduction to Algorithms and Programming
  - Assisted professor in course planning
  - Graded projects and gave actionable feedback to students
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## PROJECTS

### SlugSell - Next.js, TypeScript, React, Tailwindcss, PostgreSQL, Git, Jest

Contributed to a six-member team developing a full-stack online marketplace using Agile Scrum. This project involved Next.js for seamless server-side rendering and routing, TypeScript for statically typed programming, PostgreSQL for robust data management, Jest for comprehensive testing, and Tailwind CSS for efficient utility-first styling. Git for version control and issue tracking. All code was tested and covered using automated testing.

### GeoDrills - TypeScript, Java, React, Spring Boot, AWS, PostgreSQL

Fully authenticated beta version of a website built to help players improve at the game GeoGuessr. REST API built with Spring Boot. Uses AWS to host PostgreSQL database and S3 for image storing.

### Password Cracker - C++, Linux

Multi-threaded and distributed brute force password cracker coordinating over network connection.

### HTTP Server - C, Linux, Git

HTTP server that handles GET and POST requests. Supports multiple clients and safely handles requests concurrently using threading and mutexes.