CHICORY ROTH

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EDUCATION

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

June 2023
Santa Cruz, CA

WORK EXPERIENCE

College of the Canyons
Computer Science TA

September 2019 – December 2019
Santa Clarita, CA

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

SKILLS

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

PROJECTS

SlugSell - Next.js, TypeScript, React, Tailwindcss, PostgreSQL, Git, Jest
In a team of six, I contributed to the development of a full-stack online marketplace following Agile Scrum methodologies. 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

CacheMe - React Native, TypeScript, Expo Go, Firebase
Location-based social-media app made in a group of five with a focus on Agile and Scrum methodologies. Uses React Native for the frontend and Firebase for the backend including authorization. Integrates Google Maps API and many React Native libraries.