

CHICORY ROTH

chicoryroth@gmail.com

EDUCATION

University of California - Santa Cruz

B.S. Computer Science

September 2020 – 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, React Native, Git, Docker, SQL

PROJECTS

SlugSell - Next.js, TypeScript, Tailwindcss, PostgreSQL, 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

Password Cracker - C++, Linux

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

Volleyball Ranking and Statistics - Java

Parses results of professional beach volleyball matches. Ranks teams based on weighted ranking system. Ranking is used to predict future matches. Also can find shortest path of victory between teams using graph theory

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.