

Riley Chou

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EDUCATION

University of California, Santa Barbara (UCSB), Goleta, CA
Bachelor of Science in Computer Science
GPA: 3.64 / 4.00

Expected June 2025

- Relevant Coursework: Object Oriented Programming (C++), Discrete Math, Digital Logic Design, Data Structures & Algorithms (Winter 2023)

EXPERIENCE

Undergraduate Learning Assistant

September 2022-Present

Computer Science Dept. of UCSB / Goleta, CA

- Work under Professor Ziad Matni to assist 150+ students in introductory Python during lecture and discussion sections
- Schedule weekly office hours to providing debugging sessions and content clarification
- Proctor weekly quizzes and grading of assignments and projects using Gradescope

Director of Technology

November 2020-September 2021

Citro Tech / Remote

- Developed and maintained Citro Tech's website alongside one other member.
- Raised over \$3000 from 24 sponsors for Citro Hacks, an all-inclusive high school virtual hackathon.
- Co-hosted 18 Citro Hacks workshops and events over the course of a weekend.

Coding Instructor

October 2019-March 2021

Ace Coding Club / Pleasanton, CA

- Mentored HTML/CSS for a web development workshop to 8 middle schoolers.
- Taught Java to 5 middle schoolers over the course of two semesters as a volunteer.
- Collaborated with other Ace Coding instructors on making intuitive weekly lesson plans.

PROJECTS

U Cure Sadness Bot

January 2022

SBHacks / Goleta, CA

- Programmed the bot commands with Discord.py, and Heroku to host the Discord bot.
- Fetched JSON data from the Joke API, NASA API, and Dog API when users input certain keywords.
- Incorporated a to-do list written in Python that can be invoked with a simple command to help students organize daily tasks.
- Improved happiness levels of 7 college students that added the bot to their Discord server.

Citro Hacks Website

December 2020-June 2021

Citro Tech / Remote

- Utilized CSS to create a responsive hackathon landing page using media queries.
- Added an interactive event itinerary and animated elements with JavaScript.
- Maintained and frequently updated over the course of 6 months with the latest Citro Hacks information.
- Gathered international attention with 830+ signups worldwide in a few weeks.

DAB (Droughts Are Bad)

January 2021

OrionHacks / Remote

- Inspired by California's worsening droughts and overwatered gardens in suburban households.
- Wired circuits and programmed in C++ for an Arduino system that measures soil moisture levels to prevent overwatering.
- Built an Android app with MIT App Inventor that receives soil data and remotely controls the sprinkler via Bluetooth.
- Received "Best Hardware Hack" award at OrionHacks among 52 submissions.

TECHNICAL SKILLS

Languages and Frameworks: C++, JavaScript, ReactJs, NextJs, NodeJs, Java, Python

Developer Tools: Github, Git, VS Code, IntelliJ IDEA, LaTeX, Scrum & Agile, Linux

Certifications: Responsive Web Design - freeCodeCamp

HONORS AND AWARDS

- Hackathons: 2nd Place - Lambda Hacks, Best Hardware Hack - Orion Hacks, 8th Overall - Bay Area Hacks
- Academic: 2x Engineering Deans Honors List, CA State Seal of Biliteracy, Go Green Initiative Scholarship