

BILL ZHANG

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EDUCATION

University of California, Santa Cruz

Bachelor of Science in Computer Science *GPA: 3.62*

Santa Cruz, CA

Sep 2020 - Expected Graduation Date: March 2023

WORK EXPERIENCE

X-Camp Academy

Teaching Assistant - 300 Course

San Jose, CA

September 2022 - Present

- Teaching important algorithms and data structures such as disjoint set union, prefix sums, binary search, and two pointer algorithms to a class of 20 students
- Collaborating with the lead instructor to develop and implement engaging lesson plans and activities
- Assisting in grading assignments and exams, providing constructive feedback to help students improve
- Maintaining a positive and supportive learning environment, fostering collaboration and engagement among students

X-Camp Academy

Teaching Assistant - APCS A Summer Class

San Jose, CA

July 2022 - September 2022

- Taught a summer class of 30 students, focusing on preparing them for the APCS A test
- Hosted office hours to provide individualized tutoring and support to students in need
- Assisted multiple students with no previous coding experience in achieving high scores on the APCA A mock exam

X-Camp Academy

Teaching Assistant - USACO Bootcamp

San Jose, CA

July 2022 - July 2022

- Taught a coding bootcamp focused on preparing students for the USA Coding Olympiad competition
- Successfully guided over 90% of students to solve USACO Bronze problems within time constraints at the end of the bootcamp
- Collaborated with the lead instructor to develop and deliver engaging and effective instruction

SKILLS

Programming Languages:	C, C++, Java, Python, Dart, Javascript, Haskell
Frameworks:	React, NextJs, NodeJs, ExpressJS, Flask, Vite
Libraries:	Tensorflow, Keras, Numpy, Pandas, Scikit Learn, Socket.io, React Testing Library
Other::	Firebase, Postgres, Agile, OPENApi, REST Api, Material UI, Tailwind CSS

PROJECTS

Paddy Plant Prognosis *Tensorflow, Vite, Flask, TailwindCSS* <https://www.paddyplantprognosis.tech/>
App that uses cutting-edge computer vision technology to help farmers quickly and accurately identify diseases in their paddy crops.

MakeMeLunch *Firebase, NextJs, RapidApi, Axios, Javascript* <https://makemelunch.xyz/>
Web App that recommends new recipes based on your current ingredients

Fiesta *Firebase, React, ExpressJS, Firebase, Socket.io* <https://vercel.com/idkwhatimdoing/fiesta>
Fiesta is an event planning app that streamlines the process of organizing and registering events.

Covinet *Flutter, Dart, Firebase* <https://github.com/Arjun-Mishra-312/covinet>
UCSC Community App for Tracking Covid Cases

Pool Party *React, Express, Hop.io* <https://mypoolparty.tech/>
Webapp for coordinating carpools with friends and family with the aim of reducing carbon footprints

Insite *React, Flask, D3, Charts.js, Firebase, Socket.io* <https://insite.hop.sh>
A node-based data visualization tool

AWARDS

Cruz hacks 2022 Winner Cruz hacks 2022
Recognized for winning sponsor prize at Cruz hacks 2022 Jan 2022

Grace hacks 2022 Winner Grace hacks 2022
Recognized for winning best mobile at Grace hacks 2022 November 2022