

CATHERINE NGUYEN

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Education

San Jose State University | San Jose, CA

May 2022

Computer Science Major (Undergraduate)

GPA: 3.94

Work Experience

San Jose State University | San Jose, CA

Student Lab Assistant (CS46B)

August 2021 - Present

- Mentored students on skills learned during lecture by providing practice with programming, problem solving, and using various tools.
- Managed lab activities, quizzes, and report student progress

NorCal UVSA | CA

IT Cabinet Staff Lead

July 2021 - Present

- Collaborated with the Executive Board to ensure all technological needs are met
- Managed and updated the NorCal UVSA website, event registration portals, events, articles, and more to ensure accuracy

Jade | Santa Clara, CA

UX/UI Design

August 2020 - May 2021

- Collaborated to develop a build a SaaS solution for group management
- Designed user flows and site prototypes on Figma that are adjusted to user feedback.
- Developed React.js and CSS files to create a tangible website.

Van Lang | San Jose, CA

Teacher Assistant

September 2018 - June 2020

- Contributed to a positive education setting by delivering gentle discipline and promoting student success.
- Collaborated with the teacher to devise and implement developmentally appropriate lessons aligning with the school's philosophy and mission.

Hung Vuong Institute | San Jose, CA

Instructor

December 2016 - May 2019

- Worked with masters and fellow instructors to develop cohesive education plans and improve support for diverse students.
- Helped train, develop, and shape young minds to become better, stronger, and more confident in leading a life of character and commitment for themselves and for the betterment of society.
- Helped foster respect, honesty, and discipline to encourage students to develop these characteristics and excel in all aspects of their lives.

Leadership Experience

San Jose State University Vietnamese Student Association (SJSUVSA) | San Jose, CA

Anh Chi Em Committee (ACE)

September 2020 - October 2020

The ACE program is the mentorship program in Vietnamese Student Association.

- Utilize the Instagram account to continue to publicize the program and to engage general members.
- Planned different virtual events for the ACE Program.
- Handled internal conflicts, as more conflicts tend to pop up more in an online setting.

Cabinet Intern

February 2020 - May 2020

- Hosted organization meetings and socials with fellow interns.
- Learned how to sustain and keep member interest in an organization during a pandemic.
- Learned how to run an organization with over 400 members.

Projects

Chat Room

Developed a chat room application using NoSQL databases: Redis and MongoDB. Implemented front-end using React with Typescript and used Figma to create a prototype of the application to allow other team members to visualize the application and user flow.

Maze Generator & Solver

Developed a program which generated a perfect maze using a square matrix of user-inputted size and returned solved mazes using both Depth First Search and Breadth First Search.

Qualifications & Skills

- Versed in creating wireframes, site maps, and user flow diagrams to express site design concepts
- Adept in mastering new technology and tools

- Detail-oriented with a learning mindset
- Figma, Adobe Photoshop
- HTML/CSS