

# CATHERINE NGUYEN

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## Education

**San Jose State University | San Jose, CA**

Bachelor of Science, Computer Science

**August 2019 - May 2022**

**GPA: 3.93**

## Work Experience

**Asian Student Achievement | Remote**

**Web Design Intern**

**October 2021 - Present**

- Design prototypes on Figma, develop, and manage website pages to accurately portray the organization's mission
- Manage the Technology team's projects, deadlines, and reports while immediate director position was vacant
- Onboard and familiarize new Technology Director with the team's projects and duties
- Increase web traffic by 65.4% and user engagement by 55.56%

**Computer Science Department @ SJSU | San Jose, CA**

**Lab Instructor (CS46B)**

**August 2021 - Present**

- Teach 20-30 students basic data structures in Java using hands-on labs and partner programming
- Ensure students have an adequate understanding of CS course material on pace with CS46B lectures

**NorCal UVSA | Remote**

**IT Cabinet Staff Lead**

**July 2021 - Present**

- Update the NorCal UVSA website to match current UX/UI designs
- Create and manage event registration pages, payment portals, and articles to ensure accuracy and accessibility

**Jade | Remote**

**UX/UI Designer**

**August 2020 - May 2021**

- Collaborated with the development team to create a SaaS solution for group management
- Designed user flows and site prototypes on Figma curated to user feedback
- Developed React.js and CSS files to create a fully functional website

## Leadership Experience

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

**Anh Chi Em Committee (ACE)**

**September 2020 - October 2020**

- Advertised the program and engaged general members utilizing the ACE Instagram account
- Planned multiple virtual social events
- Resolved internal conflicts amidst the sudden shift to an online setting

**Cabinet Intern**

**February 2020 - May 2020**

- Hosted organization meetings and socials with fellow interns
- Learned how to sustain and retain member interest in an organization during a pandemic
- Assisted in running an organization with over 400 members

## Projects

**Car-ervation | MongoDB, Express.js, React.js, Node.js, Git**

**February 2022 - Present**

- Parking garage automation system that manages parking usage and online reservations for a parking garage
- Lead team of 5 programmers to develop application functions and meet deadlines and weekly goals using Agile SCRUM
- Implement front-end using React and CSS
- Design prototypes using Figma

**What-To-Do | MongoDB, ExpressJS, HTML/SCSS, Bootstrap**

**January 2022**

- To-do list web application that allows authenticated users to keep track of their tasks
- Designed using Figma & Adobe Photoshop
- Includes CRUD operations on Task objects

**Chat Room | Redis, MongoDB, React.ts, Git**

**July 2021 - August 2021**

- Chat room web application that allows for communication between two or more authenticated users
- Implemented front-end using React with Typescript and CSS
- Designed prototypes using Figma to allow other team members to visualize the application and user flow
- Ensured group members met deadlines and weekly goals using Agile SCRUM

**Maze Generator & Solver | Java**

**November 2020**

- Program that generates and solves a perfect maze
- Takes in a square matrix of user-inputted size
- Returns solved mazes using both Depth First Search and Breadth First Search

## Technologies & Skills

- Self-driven, persevering, and curious attitude
- Experienced with Object-Oriented Programming
- Proficient in Java, HTML/CSS
- Eclipse, Visual Code Studio, Wordpress, Weebly
- Detail-oriented with a learning mindset
- Strong understanding of Data Structures
- Familiar with React.js, Javascript, SQL, MongoDB
- Figma, Adobe Photoshop