

# Jason Vu

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## EDUCATION

### Santa Clara University

Santa Clara, CA, USA

*B.S. Web Design and Engineering, Minors in Computer Engineering and Studio Art*

*June 2024*

- **Major GPA:** 3.7
- **Relevant Coursework:** Abstract Data Types and Data Structures, Digital Logic Design, Tech and Communication, Basic Graphic Design, Community-Based Engineering Design, Web Development

## EXPERIENCE

### Senior Capstone Design Project Assistant

August 2022 - Present

*Santa Clara University's Human Computer-Interaction Lab, Santa Clara University*

*Santa Clara, CA, USA*

- Recruited by Dr. Kai Lukoff, Ph.D. as a junior to support year-long senior design team with prototyping web service app for non-technical researchers to conduct systematic reviews on mobile app ecosystems.
- Scrape metadata from Google Play with open-source tools to develop baseline understanding for non-technical researchers to understand features/practices within apps in domains like mental health or privacy.

### Undergraduate Research Assistant

June 2021 - September 2021

*Santa Clara Media Lab, Santa Clara University*

*Santa Clara, CA, USA*

- Implemented web scraping methods in Python/JS to analyze sentimental behaviors and trends between online users, while easily identifying digital patterns from Reddit, Twitter, and TikTok posts, storing metadata into CSVs.
- Wrote documentation guiding teammates to setup project environment, obtain API credentials, deploy scripts.
- Earned Most Valuable Intern within the Santa Clara Media Lab's founding cohort under Dr. David Jeong, Ph.D.

## PROJECTS

### University Discord Network | *Node JS, Express JS, RESTful APIs, JSON, Google Forms/Scripts, Linux, Raspberry Pi*

- Created and maintained online community-based network for over 1,100 students and 30 clubs/organizations.
- Pair-programmed automated Discord JS chatbot with verification system integrating Google Scripts and Express JS server to leverage Discord API for adjusting students' nicknames/roles based on their Google Form responses.
- Devised ticket log system using quick.db offering accessible communication between users and server moderators.

### Santa Clara Engineering Double Dip Courses Finder | *Python (Tkinter GUI, os, requests, csv), RESTful APIs, CSV*

- Streamlined course registration decision process for engineering students using Santa Clara's CourseAvail API.
- Developed Python Tkinter GUI allowing students to generate a detailed list, in CSV format, of over 2,100 double dip course offerings for scouting college requirements before their quarterly advisory sessions.

### Santa Clara Unit Complex Fires Webpage | *HTML/CSS/JS, Google Analytics, Google Lighthouse, Git/GitHub*

- Pair-programmed website which assisted local individuals affected by California's 2020 wildfires.
- Developed simple, minimalist UI with a dark mode toggle option for conserving battery in times of emergencies.
- Exceeded Google Analytics's average benchmarks for Average Session Durations (2:12 min.); Number of Sessions Per User (2.63); 461 Sessions; and 757 Page Views.

### College Admissions Calculator | *Vue JS, Bulma CSS, Python, Google App Engine, Linux, Git/GitHub, RESTful APIs*

- Developed web app with Flask as back-end and HTML, Bulma CSS, and Vue JS as front-end for students to calculate their admission chances into general programs and/or engineering majors at San Jose State University.
- Utilized Selenium to scrape specific eligibility thresholds for over 130 majors into comprehensive table for user-friendliness as the former site did not employ a responsive design, accessibility, and user interface.

## TECHNICAL SKILLS

**Programming Languages:** HTML/CSS, JS, Python, PHP, Java, C, Verilog

**Frameworks:** Vue JS, React JS, Express JS, Material UI, Flask, Bootstrap CSS,

**Technologies:** Node JS, REST APIs, Selenium, Git, GitHub, Wordpress, Latex

**DevOps:** GitHub Actions, Google Cloud, Google App Engine, Linux