

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, jQuery, Material UI, Flask, Bootstrap CSS,

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

DevOps: GitHub Actions, CI/CD, Google Cloud, Google App Engine, Linux