

# Jason Vu

408-655-9707 | [jvu@scu.edu](mailto:jvu@scu.edu) | [linkedin.com/in/jason-anh-vu](https://www.linkedin.com/in/jason-anh-vu) | [github.com/JAVAB3ANS](https://github.com/JAVAB3ANS) | [javab3ans.github.io/portfolio](https://javab3ans.github.io/portfolio)

## Education

### Santa Clara University

B.S. Web Design and Engineering

Santa Clara, CA, USA

Expected: June 2024

- Major GPA: 3.7
- Relevant Coursework: [Data Structures](#), Web Usability, Web Development, Senior Design, Game Studies

## Experience

### Undergraduate Lab Research Assistant and Mentor

June 2021 - September 2022

Santa Clara University's Media Lab, Santa Clara University

Santa Clara, CA, USA

- Recursively scraped comment threads with Python/JS to analyze sentiments across Reddit, Twitter, TikTok posts.
- Wrote end-user guides teaching teammates to setup project environment, obtain API credentials, deploy scripts.
- Will submit team paper to [ICA 2023 conference](#) offering quantitative insight into negative sentiments in online game communities using Jupyter Notebook to obtain/train/group dataset of 13k+ tweets from relevant hashtags.
- Earned Most Valuable Intern 2x within the Santa Clara Media Lab's founding cohort under [Dr. David Jeong, Ph.D.](#)

## Projects

### Senior Design Capstone | [Human-Computer Interaction](#), [Design Thinking](#), [Web Applications](#), [Usability Testing](#)

- Year-long team project to empower non-technical researchers to conduct systematic app reviews on mobile stores.
- Provide end-user guides for mental health researchers to scrape and analyze metadata for millions of Google Play apps containing keywords like "cognitive behavioral therapy" and relevant terms to understand mobile ecosystem.

### College Discord Network ([GitHub](#)) | [Node JS](#), [TypeScript](#), [Deno](#), [Digital Ocean](#), [Cloudflare](#)

- Created and maintained online community for over 1,100 students and 30 clubs/organizations since pandemic.
- Pair-programmed Discord JS chatbot with verification system using REST API, secured against school domain with OAuth 2.0, providing sleek front-end for students to manage their Discord roles without premium software.
- Devised help ticket system with quick.db, promoting accessible communication between server staff and students.

### Undergrad Engineering Courseload Optimizer ([GitHub](#)) | [Python](#) ([Tkinter GUI](#), [os](#), [requests](#), [csv](#))

- Optimized engineering course selection process using school's course availability API and hashmap algorithms.
- Enabled students to generate spreadsheet of over 2,180 courses which fulfill multiple requirements from Summer 2021 to Fall 2022 (6 quarters), identifying 4,970% more reliable options against [outdated university data](#).

### Wildfire Emergency Resources Website ([GitHub](#)) | [HTML/CSS/JS](#), [Google Analytics](#), [Google Lighthouse](#)

- Pair-programmed site helping locals affected by Northern California's Bay Area wildfires in 2020.
- Developed minimalist UI with dark mode toggle option for conserving battery in emergencies.
- Site is server-less with 20 ms response time and exceeds SEO metrics in meta information and page/link structure.

### College Admissions Calculator ([GitHub](#)) | [Vue JS](#), [Bulma CSS](#), [Python](#) ([selenium](#), [time](#), [requests](#), [flask](#)), [Google App Engine](#)

- Developed search-indexed app backend (Flask) and frontend (HTML, Bulma CSS, and Vue JS) for students to calculate admission chances into general programs and/or engineering majors at San Jose State University.
- Utilized Selenium to scrape eligibility thresholds for 130+ majors into comprehensive table within user-friendly interface, decreasing load times by 62%, page size by 78%, and HTTP requests by 92% against [former site](#).

### Twitter RSS Feed Scraper ([GitHub](#)) | [Node JS](#) ([node-fetch](#), [fs](#), [xml-formatter](#))

- Developed Node JS command-line app allowing end-users to scrape XML feeds from [Nitter](#) as Twitter no longer hosts RSS feed, avoiding ads, preventing tracking of IP and JavaScript fingerprint, and bypassing rate limits.

## Technical Skills

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

**Frameworks:** Vue JS, React JS, Express JS, jQuery, D3.js, Material UI, Flask, Bootstrap CSS

**Technologies:** Node JS, Linux/Unix, REST APIs, Selenium, GitHub, OAuth 2, Nginx, Google Analytics/Lighthouse

**DevOps:** Git, GitHub Actions, Snyk, CI/CD, Google Cloud Platform, Digital Ocean, Cloudflare