

Joseph S Camyre

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EDUCATION

University of California Los Angeles

Bachelor of Science in Computer Science, GPA: 3.25

Los Angeles, CA

Sep 2021 – Jun 2025

- Courses: Intro to Computer Science, Data Structures and Algorithms, Computer Organization

PROFESSIONAL EXPERIENCE

Viasat

Boston, MA

Frontend Web Development Intern

Jun 2022 – Sep 2022

- Viasat Beam team member, build React component library for all Viasat Frontend Developers using TypeScript, SASS, HTML, Storybook

ACM Dev Team

Los Angeles, CA

Frontend Developer

April 2022 - Present

- **Spearheaded** development of informational Open-source website using **Next.js**, **Octokit**, **Netlify**, **TypeScript**
- **Reduce** number of API calls by **60%** by caching using server-side static rendering Next.js
- **Organize** tasks using Github actions, issues, and pull requests
- **Implement failsafe** when api call limit is reached, increasing website **uptime** to **99.87%**
- **Utilized** revalidation and caching to improve static-site performance by **40%**

CHIPS Lab (UCLA)

Los Angeles, CA

Lead Full Stack Developer

Oct 2021 – Present

- **Deployed** computing department's **portal** on **AWS CloudFront** to handle the **90%+ requests** that need static asset responses
- Rolled out a spam filter on Contact Us page using A/B testing, reducing fraudulent requests by **78%**
- Implemented authorization backed by **PostgreSQL**, enabling CHIPS researchers to exclusively upload files and search records
- Optimized **Node.js** to deal with **500+** concurrent requests using key-value store session caching, enabling performance to remain undegraded in times of peak load during UCLA-wide events
- **Proactively** established continual relationship with **QA team**

DataDen

Los Angeles, CA

Lead Frontend Developer

Oct 2021 – Present

- Developed social media and survey platform using **React**, **Express** and **Node.js** that stored **thousands** of college students' opinions in **MongoDB**
- Also lead development of mobile app with team of 6 using **React Native**
- Deployed on **AWS Elastic Beanstalk**, **RDS** and **S3** to ensure end-to-end uptime of 99.64%
- Worked with 5 designers using **Figma** to improve website user-friendliness, increasing **post-first-page click-through** rate by **15%**
- Led adoption of **Git**, **Jira** and **GitHub Actions** among existing team of 6 classmates, reducing customer bug reports by **60%**

PROJECTS

Stock Trading Information Web Application

Mar 2021 – Present

- Built stock information presenter SPA using **React** and **Django REST Framework**
- Deployed on **Heroku**
- Provisioned a **cron job** to scrape 17000 stocks daily, perform in-memory processing using **pandas** under **Python** and batch insert results to **PostgreSQL**

ADDITIONAL

- **Languages:** Python, C++, JavaScript, TypeScript, HTML, CSS, SASS, SQL, R, Go, Java, AJAX; English (native language), Mandarin Chinese (conversational proficiency)
- **Skills and Technologies:** React JS, React Native, Django, Amazon AWS, Node.js, Linux, User Experience (UX), Kubernetes, PostgreSQL, Express, Git, Jira, Next.js, MongoDB, Docker, Heroku, MySQL, Googling
- **Interests:** Playing guitar and trombone, Working out, Trading stocks, Speed typing, Tennis, Cars, Machine learning/A.I, Web Development, Software Development, Spicy food