

Joseph S Camyre

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EDUCATION

The University of California Los Angeles

Los Angeles, CA

Bachelor of Science in Computer Science

Sep 2021 – Jun 2025

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

PROFESSIONAL EXPERIENCE

Viasat

Boston, MA

Frontend Web Development Intern

Jun 2022 – Sep 2022

- Employ **React**, **Sass**, **TypeScript** and **JavaScript** to **build UI** components used by Viasat Frontend Developers for **all company products**
- Utilize **Storybook** to **streamline** the process of **designing** accessible and user-friendly **interfaces**

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%** per **AWS CloudWatch** analysis
- Implemented authorization backed by **PostgreSQL** Row Level Security, 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**, enabling **8+ cycles** of feedback before revamped website public availability

DataDen

Los Angeles, CA

Lead Full Stack Developer

Oct 2021 – Present

- Developed survey platform using **React**, **Express** and **Node.js** that accepted and persisted 1000s of college students' opinions in MongoDB
- Deployed on **AWS Elastic Beanstalk**, **RDS** and **S3** to ensure end-to-end uptime of 99.64%, tracked by recurring healthcheck
- Worked with 5 designers and **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

Los Angeles, CA

Programmer

Mar 2021 – Present

- Built stock information presenter SPA using **React** and **Django REST Framework**, having transitioned from **Django** server-side rendering due to interactivity required
- Deployed on **Heroku**, learning to recognize tradeoffs between managed offerings vs. self-hosting services
- Provisioned a **cron job** to scrape 17000 stocks daily, perform in-memory processing using **pandas** under **Python** and batch insert results to **PostgreSQL**
- Built event-subscription service backed by **RabbitMQ** to inform traders via email when certain stock prices are hit, **increasing retention rate**

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, REST API, Amazon AWS, Node.js, User Experience (UX), OOP, Axios, PostgreSQL, Express, Git, Jira, Next.js, MongoDB, Docker, Heroku, Storybook, Postman
- **Interests:** Playing guitar and trombone, Working out, Trading stocks, Speed typing, Tennis, Cars, Machine learning/A.I, Web Development, Software Development, Spicy food