

# Joseph S Camyre

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## EDUCATION

### University of California, Los Angeles

Los Angeles, CA

Bachelor of Science in Computer Science, GPA: 3.5

Sep 2021 – Jun 2025

- Courses: Data Structures and Algorithms, C++ and C, Computer Organization, Discrete Math, Software Construction, Operating Systems, Linear Algebra, Automata Theory, Artificial Intelligence

## PROFESSIONAL EXPERIENCE

### Capital One

McLean, VA

Incoming Software Engineering Intern

Jun 2023 - August

### 2023DevX at UCLA

Los Angeles, CA

Technical Lead, Workshop Teacher

Sep 2022 – Present

- **Developed** curriculum for both advanced and beginner workshops of **15** interns each
- **Lead** groups of 3-4 to apply knowledge from workshop by building a full-stack web application
- **Organized** and **lead** weekly meetings where I solved interns' blockers and delegated tasks for each project
- **Choose** from over 200 applicants through evaluating resumes and essays, as well as quick chats with candidates

### 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**, impacting **100,000's** of Viasat customers' website experience
- Rolled out **unit testing** with Cypress to ensure functionality, **reducing** customer **bug reports** by **15%**

### ACM at UCLA

Los Angeles, CA

AWS Deployment Lead, *Officer, Developer*

April 2022 - Present

- **Spearheaded** development of informational Open-source website using **Next.js**, **TypeScript**
- **Reduce** number of API calls by **60%** and improve performance by **37%** using **caching** and **revalidation**
- **Implement failsafe** when API call limit is reached, increasing website **uptime** to **99.64%**

### CHIPS Lab (UCLA)

Los Angeles, CA

Lead Full Stack Developer

Oct 2021 – Present

- **Deployed** department's portal on **AWS CloudFront** to handle the **90%+ requests** that need static asset responses
- **Implemented authorization** backed by **PostgreSQL**, enabling CHIPS researchers to **exclusively upload** files
- 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
- Used **Docker**, **Express**, and **Kubernetes** to deploy TV Display site, seen by **100's** of students a day.

## PROJECTS

### Stock Trading Information Web Application

Mar 2021 – Present

- Built stock information presenter SPA using **React**, **Django**, and **Docker**, deployed using **Kubernetes**
- Provisioned a **cron job** to scrape **17000 stocks** daily, perform in-memory processing using **pandas** and batch insert results to **PostgreSQL**
- **Developed** Stock information Python **package** called **PyTrading** to serve as main API utilized by website, used multithreading and asynchronous programming to increase performance

## ADDITIONAL

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