

# Joseph S Camyre

(916) 737-6676 | [jcamyre127@g.ucla.edu](mailto:jcamyre127@g.ucla.edu) | <https://www.linkedin.com/in/josephscamyre/>

## 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

Software Engineering Intern

Jun 2023 - August 2023

- **Enhance** phone authentication system, reduce the **25%** of the **300 million** customer support calls a year falsely requiring further verification, improving millions of users' **experience** and saving over **\$2 million**
- Configure **20+** AWS services, including **Lambda**, **CloudWatch**, **SQS**, **SNS**, and **IAM** Roles, using **Terraform**
- **Call 10 different** API's, **process** up to 500 events a second from **SQS** using **Python Lambda** functions
- Increase performance of Lambda's by **38%** using **asynchronous** programming and batching data to **Kafka**
- Analyze and monitor logs using **Splunk** to increase debugging speed by **30%**
- Built AWS environment **testing framework** using AWS SAM, widely adopted by teams within the department
- Constructed **ADTT's** and **unit-tests** with **Behave**, enabling quicker testing, increasing **development** speed by **40%**
- Utilized **Agile Scrum** and **Jira** to manage workflow, lead Stand-Ups and Sprint Planning, increasing output by **34%**
- Developed **CI/CD** steps using **Jenkins** Pipeline, created automated QA tests, decreasing bug reports by **25%**
- Demoed completed project to **20+** executives in Card Fraud department and answered business-related questions

### DevX at UCLA

Los Angeles, CA

Technical Lead, Workshop Teacher

Sep 2022 – Present

- **Designing** curriculum for advanced and beginner workshops of **15** interns each, chosen from pool of **200** applicants
- **Lead** groups of 3 to apply knowledge from workshop through building a full-stack web applications
- **Taught** React, Git, Docker, Firebase, and **Scrum** methodologies during weekly meetings

### Viasat

Boston, MA

Frontend Web Development Intern

Jun 2022 – Sep 2022

- Built **React** component **library** using **TypeScript**, **SASS**, **HTML**, impacting **100,000's** of Viasat customers
- Rolled out **unit testing** with Cypress to ensure functionality, **reducing** customer **bug reports** by **15%**
- Reached out to **UX team** to discuss implementation feasibility and new designs, **increasing throughput** by **24%**

### ACM at UCLA

Los Angeles, CA

AWS Deployment Lead, Officer

April 2022 - Present

- Built **Github Actions** to automatically deploy **all** projects to **Lambda's** and **EC2's**, **increasing** output by **17%**
- **Onboarded** intern onto project, **teaching** them relevant technologies and organized weekly stand-up meetings

### CHIPS Lab (UCLA)

Los Angeles, CA

Lead Full Stack Developer

Oct 2021 – Present

- Optimized **Node.js** to deal with **500+** concurrent requests using **key-value store session caching**
- Used **Docker**, **Express**, and **Kubernetes** to deploy a 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**, **Docker**, and **PostgreSQL** deployed using **Kubernetes**
- Provisioned a **cron job** to scrape **17000 stocks** daily, perform in-memory processing using **pandas**
- **Developed** Python package, utilized **multithreading** and **async**, **increased** performance by **35%**

## ADDITIONAL

- **Languages:** Python, C++, JavaScript, TypeScript, HTML, CSS, SASS, SQL; English (native language)
- **Skills and Technologies:** React, Django, Fast API, AWS Lambda, EC2, RDS, SQS, Kafka, Terraform, Jenkins, Node.js, Linux, Kubernetes, PostgreSQL, Express, Git, Jira, MongoDB, Docker, Heroku, Splunk, Snowflake
- **Interests:** Playing guitar and trombone, Working out, Stocks, Tennis, Cars, ML, Software Development, Spicy food