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, Networking, Automata Theory, Artificial Intelligence

PROFESSIONAL EXPERIENCE

Capital One   McLean, VA
Software Engineering Intern   *Jun 2023 - August 2023*
- **Enhanced** phone authentication system, reduced millions of customer support calls a year falsely requiring further verification, improving millions of users' **experience** and saving over **$3 million** in Operational Expenses
- Configured **20+** AWS services, including **Lambda**, **CloudWatch**, **SQS**, **SNS**, and **IAM** Roles, using **Terraform**
- Called **10** different API's, processing up to **200** events a second from **SQS** using **Python Lambda** functions
- Increased performance of Lambda's by **38%** using **asynchronous** programming and batching data to **Kafka**
- Constructed **ADTT's and unit-tests** with **Behave,** monitor app using **Splunk** to increase debugging speed by **30%**
- Built AWS environment **testing framework** using AWS SAM, widely adopted by teams within the department
- Developed **CI/CD** steps using **Jenkins** Pipeline, created automated QA tests, decreasing bug reports by **25%**
- Demoed completed app to **20+** executives in Card Fraud department and answered business-related questions

BAI (Bruin Algorithmic Insights)   Los Angeles, CA
Co-Founder, Workshop Teacher   *Jan 2023 – Present*
- **Placed 12/55** in the 2023 **UChicago Trading Competition** competing against teams from Top 20 Universities
- **Co-founded** financial app with President of BAI targeted at college students which creates stock portfolios based on your investment preferences and curates educational content, using **AWS ECS, Fargate,** Lambda, API Gateway
- Utilized ML Clustering, RPA, Markowitz, data exploration and other strategies to build **automated trading** bots
- **Led workshops** going over capabilities of Python packages, including **PyPortfolioOpt**, **Pandas**, **Sci-kit Learn**

DevX at UCLA   Los Angeles, CA
Technical Lead, Workshop Director   *Sep 2022 – Present*
- **Launched** health app, lead team of 3 frontend, 2 backend, 1 designer, employed **FastAPI**, AWS, and React Native
- **Designed** curriculum for advanced and beginner workshops of **15** interns each, chosen from pool of **200** applicants
- **Taught** React, Git, Docker, Firebase, Jira, and Agile 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 **100,000s** 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 **AWS Lambdas** and **EC2s**, **increasing** output by **17%**
- **Onboarded** interns onto project, **teaching** them a variety of **AWS** services during 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

ADDITIONAL

- **Languages:** Python, C++, Scala, Go, SQL, TypeScript, JavaScript, HTML, CSS, SASS; 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