

Paul Serafimescu

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EDUCATION

- **University of California, Los Angeles (UCLA)** September 2024 - June 2025
M.S. Computer Science (Thesis) Los Angeles, CA
- **University of California, Los Angeles (UCLA)** September 2020 - June 2024
B.S. Computer Science and Engineering, B.A. Economics; GPA: 3.7 Los Angeles, CA
Relevant Courses: Operating Systems, Data Management Systems, Parallel and Distributed Computing, Machine Learning, Natural Language Processing, Computer Vision, Econometrics, Mathematics of Finance, Data Science, Pricing and Strategy, Game Theory

SKILLS SUMMARY

- Languages C/C++, Java, Python, R, C#, OCaml/Haskell, Rust, Javascript/Typescript, SQL
- Frameworks OpenCV, PyTorch, SpringBoot, Django, Node.js, .NET Core
- Tools Git, Docker, PostgreSQL, Gradle, OpenAPI, Apache Spark, AWS

EXPERIENCE

- **Cisco** June 2023 - September 2023
Software Engineering Intern San Jose, CA
 - Implemented troubleshooting feature, application manager microservice on Cloud IoT Operations Dashboard.
 - Utilized SpringBoot, PostgreSQL, RabbitMQ, Elasticache, WebSocket, and React to build a user-friendly REST API and GUI for remote issue identification and diagnostics.
 - Developed an efficient distributed job scheduling architecture with Java's Quartz for asynchronous tasks.
 - Resulting solution scalable to tens of thousands of edge devices and native applications.
- **Webex** June 2022 - September 2022
Software Engineering Intern San Francisco, CA
 - Developed and implemented user-facing features on Webex Developer Portal, such as global search, new authentication flow with Cisco provider, API reference, and app creation interface.
 - Rewrote routing code to Next.js using full-stack Node.js and React. Migrated unit tests from Jest + Enzyme to Vitest and React Testing Library.
 - Conducted research and demonstrated the viability of React Query and AWS Elasticache to enhance performance on core features.
- **DevX** November 2022 - Present
Backend and Database Engineer Los Angeles, CA
 - Primary backend engineer of new UCLA BResearch undergraduate research portal.
 - Implemented a scalable Next.js API design using PostgreSQL on Prisma, deployed on AWS Lambda.
 - Project aimed to enhance access to academic research opportunities for UCLA students and faculty through innovative user experience, improved data security and centralization, and reduced latency.
- **UCLA Samueli School of Engineering** March 2022 - Present
Undergraduate Teaching Assistant Los Angeles, CA
 - Taught CS 35L (Software Construction) topics, including Python, JavaScript, C/Makefile, Bash shell scripting, and developer tools like Emacs and Git.
 - Facilitate inclusive and collaborative learning during TA-led discussions and workshops on MongoDB, Node.js.
- **vCom Solutions** June 2020 - September 2020
Software Engineering Shadowing San Ramon, CA
 - Audited real-world collaborative development environment utilizing .NET MVC Architecture, relational databases, and T-SQL. Completed project using C# and Microsoft Entity Framework Core.

PROJECTS

- **httpserver** – Developed a high performance, multithreaded HTTP/1.1 server and framework using the C programming language. Showcases a range of essential features, including optional integration with a wrapped SQLite3 backend, efficient JSON response/request body parsing, and dynamic URL pattern matching. This project allowed me to enhance my skills in C programming, TCP network handling, and web server architecture.

HONORS, AWARDS, ACTIVITIES

- 3x UCLA SEAS Dean's Honors List – 2021, 2022, 2023
- UCLA ACM AI – October 2020 - present
- Casa Grande High School Valedictorian – May 2020
- USA Computing Olympiad Silver – January 2020