

ARJUN RAJ LOOMBA

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EDUCATION

University of California, Los Angeles

Expected June 2025

- B.S. Computer Science, 3.7/4.0 Dean's Honors List
- **Organizations:** ACM Finance Director and Internal Dev Team, Bruin Entrepreneurs Startup Labs
- **Relevant Coursework:** Operating Systems, Computer Architecture, Software Construction, Data Structures and Algorithms, Object-Oriented Programming, Systems and Signals, Digital Design Lab

TECHNICAL SKILLS

Languages: C/C++/C#, Java, Python, JavaScript/Typescript, Dart/Flutter, Verilog, SQL, Bash \LaTeX

Tools/Frameworks: AWS/Azure ECS/ S3, .NET Core/ Entity Framework, React.js, Node.js, Spring, Docker, Git, Linux

EXPERIENCE

Urban Drive

Software Development Intern

New Delhi, India (Summer 2023)

- Leading a team of 3 developers to remake an online car booking tool and vendor management systems, with minor contributions to the internal dashboard.
- Worked with product team to develop robust Web APIs and Data Transfer Objects (DTOs) using .NET Core, C# and integrate with partners like American Express, Expedia.
- Collaborated closely with design, marketing teams to reach a projected 20% increase in user retention and 15% decrease in customer acquisition costs, by building user interfaces with React, Typescript.
- Contributed to consistent development environments and security safeguards by utilizing Docker, S3, Azure containers.

HCL America

Software Development Intern

Sunnyvale, CA (Summer 2022)

- Developed User Auth and product cart Microservices using Java, Spring for an e-commerce website team.
- Achieved 10% lesser downtime during high-traffic by building REST APIs with Spring Webflux. Received 90% positive feedback during usability testing by intern cohort.
- Maintained commitment to code quality with 95% test coverage initially, ensured stability with deployment through docker containers on Amazon ECS and S3. Sustained around 3-5% bug rate in the site's first month.
- Experimented with Spring Admin and Spring Security as additional features.

Scalable Analytics Lab

NLP Researcher

Los Angeles, CA (Feb 2023 - Present)

- Contributed to 'SciBench', a research paper on LLM evaluation by writing a Python/bash script to parse textbooks for LLM testing. The script saved around 20-30 hours of manual data structuring.
- Participating in the Neural Information Processing Systems Conference 2023 to contribute to LLM reasoning.

Anderson School of Business, UCLA

Application Developer, Marketing Assistant

Los Angeles, CA (February - December 2022)

- Maintained Anderson's Alumni Webpage and helped increase average monthly website views by 7-9%.
- Created a custom Python script and integrated Google Analytics to visualize key metrics like pages per visit and click through rate to save the team 3-5 hours a week on analysis for customer engagement strategies.

PROJECTS AND HACKATHONS

LendIt

Co-Founder

(October 2022 - Present)

- Engineered the LendIt app to facilitate item lending between UCLA students. Utilized Flutter, Dart, Firebase for cross platform mobile app, and Ripple XRPL ledger for borrower-lender escrow.
- Built prototype for smart lockers to create a item lending physical marketplace with RaspberryPi, Python.
- Accomplished second place (out of 300+ teams) at UC Berkeley's Cal Hacks. Won Ripple's best Web3 application and total prize of \$3500 for product MVP. Now in Beta testing around 50 users.

Filter The Fake

Website Developer

(February 2022 - June 2022)

- Achieved first place at UCLA's "Hack on the Hill" for an OpenCV, Django based counterfeit medicine detection web application. Implemented with Remdesevir and Covifor medicines for over 200 users.