

Lucius Scala

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EDUCATION:

B.S., Computer Science, University of California San Diego, June 2028.

RELEVANT COURSEWORK:

Advanced Data Structures & Algorithms, Operating System Principles, AI: Search and Reasoning, Design and Analysis of Algorithms, Theory of Computation, Linear Algebra, Discrete Math

PROJECTS:

Ball Cam - June 2025 - Present

- Building an accessible soccer game filming platform featuring a powered motorized camera mount built around an iPhone; designed and prototyped hardware using CAD, breadboard prototyping, and 3D-printed components, and developed a SwiftUI app using AVFoundation, Vision, and Core ML for real-time ball detection, camera preview, and Bluetooth control. Reduced prototype hardware cost to ~\$400 versus ~\$2,000 industry standards
- Secured a pilot with the UCSD Men's Club Soccer team through the UCSD Athletics Department and interviewed recruiting staff at Point Loma Nazarene University to validate recruiting workflows and identify recruiting as a potential product expansion.

Otium Technology - Co-founder | Jul 2025 - Nov 2025

- Co-founded company building a DevOps copilot: users SSH into a Linux server, describe an operation in plain English, and step by step approve AI-generated commands with risk note on each; drove 25 signups on shipped prototype web-app (FastAPI, NextJS, Paramiko)
- Ran problem discovery with practicing DevOps engineers through a research post that drew ~200K views and 390+ responses, identifying certificate management as the most-cited unmet need
- Won backing interest from a seed VC across 3 meetings plus a referred domain expert, incorporating in Delaware at their request; advanced two interview rounds at a European accelerator
- Decided to shut down after reaching a growth gap; individual engineers didn't need an enterprise-grade tool, enterprises were gated on security and compliance we couldn't credibly reach; additionally an incumbent shipped a competing product

AuraTune - HackMIT 2025

- Organized and led a team of 4 to build a content creation platform allowing users to capture their surroundings using Mentra Live Glasses and automatically receive a downloadable clip with personalized music through a custom web application
- Built the backend REST API (using FastAPI) that enabled connections between Suno Music API, Anthropic API, the Mentra SDK, and our web application's database
- Debugged the Mentra SDK and glasses rtmp processing with Mentra's staff in-person to eventually rule out video clipping as a possibility; pushing the team towards photos and completing the project by the deadline as a result

SKILLS: Python, C/C++, Java, NextJS, FastAPI, BeautifulSoup