LEONARDO ZAVALA-JIMENEZ

lzavalajimenez@ucdavis.edu • (916) 896-6206 • github.com/Lumiho • Davis, CA

EDUCATION

University of California, Davis   **Expected Jun 2026**

Bachelor of Science in Computer Science, **Statistics Minor**

- Coursework: Algorithm Design & Analysis, Data Structures, Artificial Intelligence, Linear Regression, Computer Architecture, Applied Statistics in Biological Science

SKILLS

Languages: Python, R, Java, C, C++, TypeScript, Haskell
Frameworks & Tools: React, Node.js, SQLite, GitHub, Tailwind CSS, Tableau, PyTorch, SQL
Specializations: Data Analysis, Machine Learning, Software Engineering, AI
Soft Skills: Team Leadership, Mentorship, Cross-Functional Collaboration, Communication

PROJECTS

Data Blog   Mar 2025 — Present

- Conducted 3+ end-to-end data analyses on public datasets (sleep, income, health) with 10K–100K records using **Python (Pandas, Seaborn) and Tableau**
- Performed data cleaning, EDA, and model selection using regression and clustering models achieving up to 85% predictive accuracy
- Published analyses on personal blog generating 100+ views, uncovering actionable insights in data science and real-world decision making

Software Lead, MuscleMax Startup   Jan 2025 — Present

- Leading development of a React Native app integrating a custom EMG sensor for real-time muscle tracking using **TypeScript, SQLite, and Node.js**
- Coordinating across a 5-person cross-functional team (software, hardware, business) to align system architecture and testing milestones
- Designed scalable backend architecture for live EMG data streaming, processing 500 samples every 0.5 seconds with plans for predictive analytics

GitHub Data Fetcher — Rust, Redis, REST API   Aug 2025 — Nov 2025

- Built a Rust CLI tool to retrieve repository statistics and issue metadata via the GitHub REST API, processing **100+ repositories** for automation and analytics
- Cached structured **JSON in Redis**, reducing API calls by **80%** and improving retrieval speed
- Implemented asynchronous programming and robust error handling, achieving 99% uptime and 3× throughput in data pipeline efficiency

Front-End Developer, Top Garden Landscaping & Design   Dec 2024 — Apr 2025

- Developed and deployed a 5-page responsive client website using React and Tailwind CSS, hosted on Vercel
- Increased client visibility and customer inquiries by **40%** within 3 months through SEO and responsive design improvements
- Led weekly design iterations with client stakeholders, using feedback cycles to reduce revision time by 25%

LEADERSHIP

National Outreach Lead / Project Manager, ColorStack @ UC Davis   Dec 2023 — Present

- Represent UC Davis in national ColorStack meetings; maintain documentation and reporting
- Planned events increasing membership by **30%**, supporting underrepresented students in tech
- Oversaw website creation and GitHub repository, improving members' technical collaboration skills

Tutor, Computer Science Tutoring Club @ UC Davis   Oct 2023 — Dec 2024

- Held weekly tutoring sessions for UC Davis students in computer science and statistics
- Helped students strengthen their problem-solving, debugging, and analytical skills