

Luca R. Paliska

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Education

University of California Davis, Davis, CA — <i>Bachelor's in Computer Science</i>	Expected Graduation June 2027
De Anza College, Cupertino, CA — <i>Associate's in Computer Science</i>	June 2025

Professional Experience

Genesis AI , San Carlos, CA <i>Robot Data Operations Analyst</i>	March 2026 — August 2026
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- Collected datasets to train VLA models and worked closely with engineers to improve model accuracy.
- Implemented data pipelines and inventory management systems to streamline teleoperation workflows.
- Standardized operational procedures by authoring comprehensive SOPs, optimizing teleoperator efficiency.

De Anza Student Government , Cupertino, CA <i>President, Chair of Senate and Executive Advisory Committee</i>	October 2023 — June 2025
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- Chaired senate meetings with over 30 senators in overseeing college initiatives, benefiting over 40,000 students.
- Facilitated discussions with 150+ faculty members, advocating for academic policies and student services.
- Allocated a \$1.6 million budget towards over 56 multicultural professional programs across campus.

De Anza Computer Lab , Cupertino, CA <i>Volunteer Computer Lab Technician</i>	September 2023 — June 2025
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- Repaired ThinkPads for over 2,000 students in underprivileged communities.
- Volunteered 130+ hours and developed diagnostic skills in both software and hardware.
- Trained 5 student volunteers in computer repair techniques such as micro-welding and OS install.

UCSB ACTION Program , Santa Barbara, CA <i>Undergraduate Research Intern</i>	June 2024 — October 2024
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- Researched the vulnerabilities of LLM-based Chatbots deployed in the wild collaborating with a team of 5.
- Submitted a paper to the International World Wide Web Conference in October of 2024.
- Created a LR model to categorize the industry of 9,515 URLs based on web-scraped SEO keywords.

Projects

Week.Jam — Github	July 2025 — Current
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- Acting as back-end developer for a non-invasive social media platform to help friends share music.
- Utilized Supabase, SQL queries, JWT authentication, and followed PEP8/readable industry coding practices.

AutoJob — Private	June 2025 — Current
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- Developed a multi-threaded automation pipeline using DeepSeek, Flask, and BeautifulSoup to scrape hundreds of job postings and dynamically generate ATS-optimized LaTeX resumes and cover letters for each one.

Tradelingo — Stanford TreeHacks	February 2025
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- AI-powered financial education platform that integrates Quantum Machine Learning (QML) and Retrieval Augmented Generation (RAG) to achieve highly accurate stock predictions and provide tailored advice.

AERIS — UCLA Hacks — Award Winning	April 2025
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- Locates victims of disasters needing urgent care using autonomous drone navigation and a custom YOLOv8 model.
- Won the \$500 Groq multimodal AI award by utilizing the DAIN agentic AI platform.

TyFa — Startup Bootcamp — Award Winning	October 2024 — December 2024
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- GPT3-powered tool to assist individuals affected by muscle impairment with typing through text prediction.
- 1st place winner of the 3-week De Anza Startup Bootcamp Competition (8 teams, 56 total team applicants).

Technical Skills

Programming Languages: Python (Advanced, ML), C/C++, Rust, Java, JavaScript, SQL

Machine Learning/AI: TensorFlow, Scikit-learn, PyTorch, Qbraid

Data Science: Data Cleaning (Pandas), Web Scraping (BeautifulSoup, Selenium), Data Visualization

Databases: PostgreSQL, Supabase, Elastic

Cloud Platforms: AWS, GCP, and Azure

Software & Tools: Git, Vim, NeoVim, Jupyter Notebook, NX Siemens

General Interests: Math Puzzles, Makerspace Projects, Hackathons, General AI