

LOGAN CALDER

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Computer Science & Engineering graduate (B.S., Cum Laude, Santa Clara University) pursuing a Master's in Data Science & Informatics at UC Berkeley. Software engineer with experience building scalable backend and web systems in Python, C/C++, Java, JavaScript/TypeScript, Go, and C#, across cloud infrastructure, distributed systems, security, and machine learning. Shipped production software at HPE Juniper Networks and HPE Aruba Networks, with additional open-source HPC research in parallel computing and performance optimization.

EDUCATION

University of California – Berkeley

January 2026 – December 2027

Master's, Data Science & Informatics

Santa Clara University

B.S. Computer Science & Engineering · Cum Laude · Dean's Scholarship

Graduated December 2025

PROFESSIONAL EXPERIENCE

HPE Juniper Networks

Sunnyvale, CA

Software Engineering Intern

May 2026 – September 2026

- Architected and shipped a full-stack analytics platform (Python, JavaScript, PostgreSQL) supporting **6,000+** enterprise accounts and **20,000+** devices, translating stakeholder requirements into production software used by VPs and product leaders
- Reduced dashboard load time by **98%+** (15s to near-instant) by redesigning pagination and database query patterns on AWS (EC2, S3, Batch), eliminating full-table renders across thousands of rows while expanding the platform to **50+** metrics
- Triaged and remediated **20+** security vulnerabilities across 5 Python and Go repositories, including shell injection and unsafe deserialization; added unit/integration coverage and shipped fixes through code review and CI/CD
- Developed and maintained cloud software through iterative testing, debugging, deployment, and monitoring workflows on Linux/Unix and AWS; collaborated with engineers through design discussions, agile sprints, GitLab CI/CD, and reviewed pull requests

Evil Geniuses (PEAK6)

San Jose, CA

Software Engineering & Data Science Intern, Part-Time

June 2025 – May 2026

- Designed and built a Python/TypeScript data pipeline that automated collection and processing of paginated match history, statistics, and images across ~5-hour runs, producing a continuously growing competitive dataset
- Developed analytics and machine-learning prototypes for draft simulation, ban strategy, and player insights; iterated with domain experts and shipped the system in **under 3 months**, contributing to a **2nd-place** finish at the 2026 European International Championships

HPE Aruba Networks

San Jose, CA

Software Engineering Intern

Summer 2023, 2024

- Designed and shipped a scalable SD-WAN diagnostic service used by 100+ engineers to troubleshoot 1M+ tunnels and 100K routes; built REST APIs across a microservices backend using Python, Flask, and FastAPI
- Built a web-based debugging interface (HTML/CSS/JavaScript) and automated troubleshooting workflows, saving engineering and service teams 50+ hours; deployed with Docker and Kubernetes and optimized database storage to reduce memory usage by up to 80%

PROJECTS & OUTSIDE EXPERIENCE

EMT Vision

Santa Clara, CA

Project Manager, Lead Developer

May 2024 – June 2025

- Built an ML/LLM-powered audio-to-JSON pipeline for an augmented-reality application, integrating speech processing, structured data extraction, anonymization, and secure storage while improving data accuracy to **98%** (+40%)
- Won **1st Place** at SCU Senior Design Conference 2025: Best Emergency & Medical Response project

Undergraduate Researcher — Systems & Performance Tuning Research Lab

Fall 2023 – Fall 2024

- Optimized open-source RandBLAS dense/sparse sketching and Total Least Squares routines on a multi-core HPC cluster; parallelized workloads with OpenMP and profiled thread count, memory, and matrix-size configurations with PAPI

TECHNICAL SKILLS

Languages: Python, C/C++, Java, JavaScript, TypeScript, Go, C#, SQL, Bash, HTML/CSS

Tools & Technologies: Linux/Unix, Git, AWS (EC2, S3, ECR, Batch, IAM), GCP, Kubernetes, Docker, PostgreSQL, MongoDB, Flask, FastAPI, Node.js, GitLab CI/CD, OpenMP, PAPI, Bandit

Concepts: Data Structures & Algorithms, Distributed Systems, Site Reliability, Cloud Infrastructure, Web Development, Machine Learning, Networking, Security, OOP, Parallel Computing