

Lucas Burgett

San Francisco, California | 646-415-1738 | lburgett@stanford.edu

| [Website](#) | [GitHub](#) | [LinkedIn](#) |

EDUCATION

Stanford University

Stanford, CA | GPA: 3.80 | 2024-2028

- B.S. Mathematics, Minor in Computer Science
- Xfund Ethics Fellow, Blythe Fund, Stanford AI Club, Startups to Join Research Fellow

EXPERIENCE

Software Engineering Intern, Parametric PBC (YC F25)

San Francisco, CA | Summer 2026–Present

- Building out the internal eval pipeline, and designing the metrics and statistics that decipher if a policy is usable in the real world.

Research Assistant, Fan Lab, Stanford University

Stanford, CA | Winter 2026

- Contributing to MetaChat 2.0, a multi-agent framework for autonomous nanophotonic device design, and building the LLM evaluation set used to measure it.

Engineering Intern, Platform Science

San Diego, CA | Summer 2025

- Built a Python/TensorFlow/OpenCV proof-of-concept that calculated Time to Collision from live vehicle video with 80% accuracy; trained on AWS SageMaker using data from Snowflake.

Product Manager Intern, Treeline Interactive

San Diego, CA | Summer 2023

- Supported product strategy, market analysis, and roadmapping for the launch of Five Iron Golf's online booking software.

PERSONAL PROJECTS

Everen

- Co-founded a local-AI hardware and software stack for private clinical transcription and note generation, building a Tauri desktop app with a Rust backend, React/TypeScript frontend, and SQLCipher-encrypted local storage.
- Built a working therapist software demo and validated demand with 10 therapy offices; 8 joined the waitlist with stated intent to purchase.

VLA Memory | CS 224R

- Built a Qwen3-VL-4B planner with persistent keyframe memory, trained with streaming GRPO to drive a frozen $\pi 0.5$ action expert for long-horizon robot manipulation.
- Reached $31.4\% \pm 3.1\%$ success on RoboMME ButtonUnmaskSwap—10.1 percentage points above MemER-IL—with zero human demonstrations.

CoInvest

- Built an AI investment-thesis research tool that produces structured reports with data-driven confidence scores, company comparisons, historical parallels, and conditions that would prove the thesis wrong.
- Built a multi-agent Claude pipeline on FastAPI, React, Postgres, and Fly.io, grounding every score in live yfinance and NewsAPI data with scheduled re-research, portfolio tracking, and a daily morning brief.

RELEVANT COURSEWORK:

Deep Reinforcement Learning (CS 224R), Deep Learning for Computer Vision (CS 231N), Introduction to Probability (CS 109), Computer Organization & Systems (CS 107), Applied Matrix Theory (Math 104), Differential Equations with Linear Algebra, Fourier Methods, and Modern Applications (Math 53)

SKILLS

Python, Rust, TypeScript, C++, SQL, PyTorch, JAX, Hugging Face, OpenPI, GRPO/PPO, Claude API, FastAPI, React, PostgreSQL, Tauri, SQLCipher, Modal, Docker, Fly.io, W&B, Portuguese