

Owen Feng

510-755-4409 | ofeng@ucsb.edu | owenfeng.me | linkedin.com/in/owenf3ng/ | github.com/ofeng1

EDUCATION

University of California, Santa Barbara

B.S., Statistics and Data Science

- GPA: 3.92
- Organizations: UCSB Data Science Collaborative, Chinese Student Union

Santa Barbara, CA

August 2022 – June 2026

Georgia Institute of Technology

M.S., Computer Science

Atlanta, GA

August 2026 – present

EXPERIENCE

Software Engineering Intern, Data Operations |

Vannevar Labs

- Contributed to the development and maintenance of 100+ production web scrapers across a wide range of sources
- Improved reliability and consistency of data parsing and ingestion pipelines by standardizing behavior and reducing failure cases
- Built internal tooling to support ingestion workflows and handle irregular or nonstandard inputs
- Helped modernize existing systems by migrating legacy logic to newer, more maintainable frameworks
- Made ongoing improvements to code quality and maintainability through refactoring and cleanup work

Palo Alto, CA

October 2024 – April 2025

Software Engineering Intern |

Sonnet AI (Y Combinator S22)

- Major early contributor to Sonnet, a platform to automatically extract semantic insights from unstructured conversations. Worked with a team of 5 engineers to scale active usership to thousands of teams.
- Helped reimplement frontend component serving and UI/UX flows, leading to 50-70% faster render speed on web assets and approximately 20% less dropoff during onboarding. See linked website (globe icon) for a work sample.
- Implemented fault-tolerant, at least once task queue to handle long-running audio processing models, reducing processing error rates to less than 1%.

San Francisco, CA

December 2023 – July 2024

Vice President of Operations

UCSB Data Science Collaborative

- Led teams across successive years to build and optimize end-to-end ML pipelines, including a lightweight heart-disease prediction model and a computer-vision system for diabetic-retinopathy severity detection, presented at a campus-wide faculty showcase.
- Created modular, reusable codebases and workflows to support multiple concurrent data science projects, improving accessibility, maintainability, and onboarding for new members.
- Managed day-to-day operations of a 300+ member organization, coordinating teaching materials, leading project assignments, planning team meetings, and interfacing with enterprise clients to secure sponsorship and fundraising opportunities.

Santa Barbara, CA

May 2023 – Present

PROJECTS

Owen.ai

April 2026

- Developed a personalized conversational AI system that models an individual's communication patterns from structured message data, enabling context-aware response generation.
- Integrated real-time inference with a voice interface, combining language model outputs with speech synthesis to create an interactive, live conversational agent.
- Applied prompt engineering and retrieval-based techniques to improve response relevance and maintain consistency in tone and style.

Computer Vision on Diabetic Retinopathy

March 2025

- Trained and implemented a deep convolutional neural network using PyTorch to classify retinal fundus images into diabetic retinopathy severity levels, achieving over 90% classification accuracy on validation data.
- Built an image preprocessing pipeline including contrast normalization, resizing, and augmentation (rotation, flipping, cropping) to improve model generalization and reduce overfitting.
- Fine-tuned a pretrained ResNet-50 architecture using transfer learning, optimizing with Adam optimizer, cross-entropy loss, and learning-rate scheduling to achieve high model performance.