Owen Feng

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

Education

University of California, Santa Barbara — Santa Barbara, CA
B.S., Statistics and Data Science — *August 2022 – June 2026*

- GPA: 3.90
- Organizations: UCSB Data Science Collaborative, Chinese Student Union

Experience

Software Engineering Intern, Data Operations | 🌐 — Remote
Vannevar Labs — *October 2024 – April 2025*

- Contributed to the development and maintenance of production data ingestion and scraping systems 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

Software Engineering Intern | 🌐 — San Francisco, CA
Sonnet AI (Y Combinator S22) — *December 2023 – July 2024*

- 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%.

Vice President of Operations — Santa Barbara, CA
UCSB Data Science Collaborative — *May 2023 – Present*

- Interfaced with enterprise clients to set up consultation projects and fundraising opportunities. Raised over 5,000 dollars during the 2023-2024 school year.
- Managed day-to-day operations of an organization totalling over 300 members. Coordinated teaching material, project assignments, and team updates regularly.
- Led a team of 4 to build both a lightweight and performant model for predicting heart disease at a campus-wide project showcase for UCSB Data Science professors.

Projects

Predictive Modeling of Heart Disease — May 2024

- Looking at heart disease prediction from an interpretable feature selection perspective. Used dataset with over a dozen features like Old Peak and RBP to understand impact on cardiovascular health.
- Trained Random Forest models to achieve over 94% accuracy on test set while maintaining fast performance.
- Employed techniques like ROC/AUC curve visualization, pairwise feature correlation, and hyperparameter tuning to optimize model performance.

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.