

JEFFREY GONG

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EDUCATION & COURSEWORK

University of California, Berkeley | *Management, Entrepreneurship, & Technology Program (M.E.T)* **May 2027**
Dual Degree: B.S. Electrical Engineering & Computer Science and B.S. Business Administration **GPA: 3.84**
Coursework: Data Structures, Algorithms, Machine Structures, OS, Statistics, ML, Neural Nets, Cybersecurity, PL&Compilers
Activities: HKN(EECS Honor Society), CSM, Poker@Berkeley, IEEE, Venture Consulting, BerkeleyTime, CS 70 Course Staff

EXPERIENCE

Snowflake **Sep 2025 - Present**

Software Engineering Intern - Database Observability

- Designing a predictive observability pipeline that ingests large-scale telemetry streams and applies custom ML models for anomaly detection and time-series forecasting on mission-critical metrics (p99 latency, throughput, CPU/memory)
- Building a full-stack observability platform (React + Go), integrating intelligent performance and content analytics with real-time dashboards, enabling proactive diagnosis of database bottlenecks, storage optimization, and data quality analysis

Wells Fargo

May 2025 – Aug 2025

Software Engineering Intern – Digital Technology and Innovation Team

- Designed Retrieval-Augmented Generation (RAG) pipelines to generate **50,000+** context-specific API responses across 300+ business lines, decreasing development time by integrating custom data sanitization, semantic search, and LLM fine-tuning
- Architected a stub management system reducing storage use by **30% and improving lookup latency by 45%** by leveraging timestamp access logs, RESTful controller hooks, and Mongo aggregation pipelines to identify and archive inactive stubs

UC Berkeley EECS

May 2025 – Aug 2025

CS 70 (Discrete Math) Course Staff

- Mentored **200+ students** on discrete math concepts and probability theory by leading discussion sections and office hours
- Developed original worksheet problems and grading rubrics, and evaluated proficiency through grading homework and exams

BetterUp

Aug 2024 – Dec 2024

Software Engineering Extern – BetterUp University Team

- Engineered an automated content auditing system for BetterUp's coach learning platform **reducing auditing time by 95%** (from 3+ weeks to 2-4 hours) across 5,000+ courses and 2500+ users, leveraging Python, Pandas, AWS EC2, Vercel, Firebase
- Implemented a scalable dashboard platform using React and Next.js, enabling team leads to visualize coach activity through dynamic time-series charts and generate custom performance metrics, establishing a new data channel for course updates

Nowadays AI (YC S23)

Jun 2024 - Aug 2024

Software Engineering Intern – Development and Product Team

- **Enhanced website traffic by 50%** through 20+ new functionalities including a personalized ranking system for each user leveraging clustering and content-based filtering algorithms and completed a website UI/UX redesign using React and Supabase
- **Curated a database of 500,000+ restaurants**, opening up a new service sector, using Python, AWS, SQL, and Supabase
- Launched group flights option to consolidate flight data and booking resulting in **\$30K+ in new revenue in the first 2 weeks**

Clearway Energy

Aug 2023 – Dec 2023

Data Engineering Extern – Data Processing Team

- Automated energy production data verification resulting in a **30% increase in processing efficiency** using Python and SQL
- Engineered a scalable data processing platform, enabling custom calculations for 200k+ records, using Pandas and Power BI
- Developed and maintained ETL pipelines for 2000+ customers to ensure accurate and timely data flow across multiple systems

PROJECTS

BerkeleyTime

Docker, Typescript, Python, Redis

- Architected real-time enrollment system using WebSockets and UCB API, implementing data caching with 30k+ users
- Developed fuzzy search functionality with vector database integration and built ML course recommendation engine

Posthuman

Typescript, LangChain, Flask

- Engineered full-stack asset management system, fine-tuning Mistral models for OCR on financial analysis and custom chat
- Built agent automation with LangChain and implemented Ethereum/EigenLayer validation for secure asset management

AI-SL

Python, React, MediaPipe, Supabase

- Developed a real-time ASL video generation platform (web app & Chrome extension) to enhance language accessibility
- Implemented an ML pipeline for animation via vector search (Supabase) and real-time pose extraction (MediaPipe)

SKILLS

- Programming: Python (NumPy, Pandas), C++, C, Java, Go, Rust, R, SQL, JavaScript, TypeScript, HTML/CSS, React, Next.js
- Tools: Flask, Spring, Angular, TensorFlow, Docker, AWS, PostgreSQL, MongoDB, Git, Linux, GraphQL, REST APIs, Agile

ADDITIONAL INFORMATION

- Interests: Badminton, Golf, Plane Spotting, Clarinet, Writing Food Reviews, Automobiles, Photography, Chess