

JEFFREY GONG

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EDUCATION & COURSEWORK

University of California, Berkeley <i>Management, Entrepreneurship, & Technology Program (M.E.T)</i>	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

<u>BerkeleyTime</u>	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	
<u>Posthuman</u>	
• Engineered full-stack asset management system, fine-tuning Mistral models for OCR on financial analysis and custom chat	Typescript, LangChain, Flask
• Built agent automation with LangChain and implemented Ethereum/EigenLayer validation for secure asset management	
<u>AI-SL</u>	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