

MINGGANG LI

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EDUCATION

University of California, Berkeley

Aug 2024 - Present

B.S. in Data Science and B.A. in Applied Mathematics; minor in Computer Science

GPA: 3.9/4.0

Advanced Coursework: ML/AI (Machine Learning, Artificial Intelligence), Systems (Data Structures, Computer Architecture, Distributed Systems), Theory (Algorithms, Discrete Math), Mathematics (Linear Algebra, Probability Theory, Multivariable Calculus)

EXPERIENCE

Gilead Sciences

Aug 2025 - Present

NLP Research Intern

Berkeley, CA

- Developing **NLP pipelines** to process **1000+ Wall Street analyst reports** using **sentiment analysis**, **topic modeling**, and **transformer-based parsing** to extract quantitative features from unstructured PDFs.
- Applying **causal inference methods** in R to establish relationships between textual signals and **stock price movements**, presenting findings to **executive leadership**.

UC Berkeley, Haas School of Business

May 2025 - Present

ML Research Engineer

Berkeley, CA

- Building **educational games** to study **AI-assisted backward planning systems** for teaching optimization.
- Designing **behavioral experiments** to analyze **human-AI collaboration** and **trust calibration** patterns.
- Implementing **reinforcement learning algorithms** to evaluate AI intervention strategies on **instructional performance**.

UC Berkeley, College of Computing, Data Science, and Society

Sep 2025 - Present

Academic Intern - CS 61C

Berkeley, CA

- Teaching **computer architecture fundamentals** (RISC-V, CPU design, memory hierarchies) to **200+ students** through labs and office hours.
- Developing **C/assembly assignments** and review materials for **caching**, **pipelining**, **parallelism**, and **virtual memory**.

Shenzhen TSAF Tech Co. Ltd

May 2024 - Aug 2024

Computer Vision Research Intern

Shenzhen, China

- Researched **voice-driven 2D/3D facial animation algorithms** and evaluated **real-time performance** for educational applications.

HONORS

Platinum Division, USACO

Jan 2023

TECHNICAL SKILLS

Languages

Java, Python, C/C++, SQL, JavaScript/HTML/CSS

Frameworks

React, Node.js, Django, SpringBoot, PyTorch, TensorFlow

Tools & Platforms

AWS, GCP, Docker, Kubernetes, Git, MongoDB, Redis, Hadoop, Spark

PROJECTS

Bridge AI: Community Service Locator

Jun 2025

- AI-powered web app helping individuals locate essential services (food banks, shelters, healthcare).
- **Tech:** React, Node.js, Google Maps API, Claude API, Express

Bitcoin Price Forecasting

Spring 2025

- Machine learning project using ARIMA and XGBoost to forecast Bitcoin prices with historical data
- **Tech:** ARIMA, XGBoost, Python, Pandas, Scikit-learn