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), Theory (Algorithms), Systems (Computer Architecture), Mathematics (Abstract Linear Algebra, Probability Theory), Economics (Quantitative)

St. Mark's School, Southborough, MA Sep 2020 - Jun 2024

EXPERIENCE

Gilead Sciences Aug 2025 - Present
NLP Research Intern *Berkeley, CA*

- Developing **generative AI pipelines** to process **1000+ Wall Street analyst reports**, implementing advanced **natural language processing (NLP)** techniques including **sentiment analysis**, **topic modeling**, and **transformer-based document parsing** for financial text extraction.
- Building **end-to-end natural language processing workflows** to convert unstructured analyst commentary into **quantitative features**, handling complex PDF formats with mixed content (tables, graphs, technical jargon).
- Applying **causal inference methods** in R to establish statistical relationships between extracted textual signals and **stock price movements**, presenting findings to **executive leadership**.

UC Berkeley, Haas School of Business May 2025 - Present
Undergraduate Researcher *Berkeley, CA*

- Building **educational games** to study **AI-assisted backward planning systems** that optimize teaching efficiency, advised by Prof. Park Sinchaisri at Berkeley Operations and Behavioral Analytics Lab (BOBALAB).
- Designing **behavioral experiments** to analyze **human-AI collaboration** patterns and **trust calibration** in educational decision-making.
- Implementing **reinforcement learning algorithms** and statistical models to evaluate AI intervention strategies on **instructional performance**.

Shenzhen TSAF Tech Co. Ltd May 2024 - Aug 2024
AI Research Intern *Shenzhen, China*

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

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

HONORS

Platinum Division, USACO (United States of America Computing Olympiad) Jan 2023

PROJECTS

Bridge AI: Community Service Locator Jun 2025

- AI-powered web app helping individuals locate essential services (food banks, shelters, healthcare). Submission for Berkeley's AI Hackathon 2025.
- **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