

Gabriel Huang

+1-347-497-0944 | gzh2@cornell.edu | [linkedin.com/in/gabriel-huang-627159237](https://www.linkedin.com/in/gabriel-huang-627159237) | <https://github.com/gabrielhuang00>

EDUCATION

Cornell University

Dual B.S. in Computer Science & ORIE (GPA: 3.75)

Ithaca NY

Aug. 2023 – May 2027

EXPERIENCE

Handshake x OpenAI

July 2025 – Present

LLM Evaluation & Research Fellow

Remote

- Collaborate with OpenAI labs to build validation testing infrastructure for GPT, validating unreleased capabilities with confidential benchmarks; specifics under NDA
- Build and maintain an automated eval harness (Python, OpenAI APIs, async workers) running async prompts across proprietary benchmarks; shipping weekly dashboards with 95% CIs.
- Spearhead teams of QA experts (Physics, CS PhDs) in preparing SoTA training data, testing lab capabilities with cutting edge human-validated domain data

Cornell Engineering; ORIE Dept.

June 2025 – Present

Undergraduate Reinforced Learning Researcher

Ithaca, NY

- Engineered a discrete-event simulation stack (Python) for single- and multi-station queueing networks (e.g., criss-cross) with pluggable schedulers (FIFO/priority/hedging) and seeded reproducibility
- Developed modular, class-based experiment harnesses, unit tests, and logging/visualization of performance fronts, and instrumented KPIs including mean sojourn time, queue length, tail delay quantiles, and throughput
- Implemented and benchmarked novel policy-gradient methods (PATHWISE/reparameterization, IPA, PPO) against REINFORCE and classical heuristics (MaxWeight, MaxPressure), running ablations across arrival/service regimes and overload

Commonpoint

March 2024 – May 2025

Impact Data Scientist

New York, NY

- Engineered data analytics solutions to serve NYC, optimizing staff satisfaction, participant distribution, and program performance systems while incorporating ETL processes and ensuring data quality control.
- Designed and implemented statistical, machine-learning solutions (sklearn) to best model and optimize problems with company turnover
- Pioneer real-time data visualization platforms (Tableau, Looker), empowering C-Suite decision making and enhancing fiscal reporting efficiency
- Spearhead high-impact presentations on new investments, securing \$500,000+ funding increases by demonstrating measurable organizational impact to external stakeholders

Involio

September 2022 – February 2023

Software Engineering Intern

Remote

- Developed and maintained core features for a social investing platform using React and TypeScript, improving frontend performance and user engagement
- Built scalable backend services in Python (Flask) to support user portfolios, trade tracking, and real-time market data feeds
- Designed and integrated RESTful APIs to fetch and display live financial metrics and user-generated content
- Implemented SQL queries and optimized database schemas to reduce query latency

PROJECTS

Kalshi Arbitrage Algorithm | *asyncio, REST, websockets, huggingface*

March 2025 – Present (Deployed)

- After recognizing inefficiencies in Kalshi's nascent markets, develop arbitrage scanners that scrape range markets for clear inefficiencies and execute on them
- Backend built on Python, utilizing asyncio REST and websocket calls to Kalshi's API
- Sharpe: 2.8. Currently improving by building NLP, regex recognition of market structure through title — main losses are through miscategorization of respective market