

JUN KAI (JERICK) SHI

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EDUCATION

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- Carnegie Mellon University** 2025 - 2026
5th Year Master's in Computer Science *Pittsburgh, PA*
- **Advisors:** Prof. Vincent Conitzer, Prof. Zhijing Jin
 - **Research Areas:** Multi-Agent LLM Systems, AI Safety
 - **Selected Coursework:** Trustworthy AI Theory & Practice, Generative AI
- Carnegie Mellon University** 2021 - 2025
Bachelor of Science in Computer Science *Pittsburgh, PA*
- **Additional Major** in Computational and Applied Mathematics, **Minor** in Computational Finance
 - **University and College Honors** (QPA: 3.82/4.0)
 - **Selected Coursework:** Continuous Time Finance, Operations Research, Numerical Methods, Modern Regression, Partial Differential Equations, Monte Carlo Methods

RESEARCH EXPERIENCE

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- Why Multi-Agent Conversations Cannot Fix LLM Forecasting**
CMU, with Prof. Vincent Conitzer & Aditi Raghunathan
- Investigated multi-agent calibration for LLM forecasting, finding conversational and mathematical methods equivalent and that model size critically determines outcomes, with mid-sized models improving 28.3% while larger models form overconfidence-amplifying echo chambers.
- Predictive Power of LLMs in Financial Markets**
CMU, with Prof. Burton Hollifield
- Investigated whether LLMs can extract predictive signals from Federal Reserve Beige Book data to forecast cross-asset correlations and improve investment decisions, finding that traditional transformer models outperform GPT due to look-ahead bias. (First place in Meeting of the Minds Math Division)

PUBLICATIONS

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- Workshop Papers**
3. **Cheap Talk, Empty Promise: Frontier LLMs easily break public promises for self-interest**
Jerick Shi, Terry Jingcheng Zhang, Zhijing Jin, and Vincent Conitzer
Accepted at *ICLR 2026 AI for Mechanism Design and Strategic Decision Making Workshop*
 2. **Behavioral and Strategic Deception in Large Language Models: A Taxonomy and Benchmark Analysis**
Jerick Shi, Terry Jingcheng Zhang, Zhijing Jin, and Vincent Conitzer
Accepted at *ICLR Agents in the Wild: Safety, Security, and Beyond Workshop*
 1. **Market-Dependent Communication in Multi-Agent Alpha Generation**
Jerick Shi, Burton Hollifield
Accepted at *NeurIPS 2025 GenAI in Finance workshop*

WORK EXPERIENCE

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- Voleon Group**, *Software Engineer* July 2026 - Present
Carnegie Mellon University, *Teaching Assistant* Jan 2023 - Present
Xencio, *AI Development Intern* June 2023 - Aug 2023

AWARDS & HONORS

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1. **Optiver Market Making Game**, 4th place out of 20 teams, 2025.
 2. **IMC Prosperity Trading Competition**, Top 250 out of 13,000+ teams, 2024.
 3. **Mathematical Contest in Modeling**, Top 35% out of 18,000+ teams, 2024.
 4. **Carnegie Mellon University Quantathon**, Top 8 out of 40 teams, 2023
 5. **83rd Putnam Competition**, Top 25% out of 3415 participants, 2017.

SKILLS & INTERESTS

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| Languages | English (native), Mandarin (native), Spanish (intermediate) |
| Programming Skills | Python (NumPy, Pandas, SciPy), C/C++, Java, Javascript, R, HTML/CSS |
| Clubs and Activities | CMU Tricking Club, CMU K-Pop Dance Club, CMU Quant Club |