

Lily Chen

Curriculum Vitae

Education

9/21-06/25 **BS in Mathematics**, MIT.
(Expected) **BS in Electrical Engineering and Computer Science**, MIT, GPA – 4.9/5.0.

Research Interests

I am interested in principled, efficient, and scalable approaches to Natural Language Processing, Machine Learning, Information Retrieval, and applications to health.

Publications

Sebastian Joseph*, **Lily Chen***, Jan Trienes, Hannah Louisa Göke, Monika Coers, Wei Xu, Byron C Wallace, Junyi Jessy Li. FACTPICO: Factuality Evaluation for Plain Language Summarization of Medical Evidence. In Proceedings of the Conference of the Association for Computational Linguistics (ACL), 2024.

Workshop Papers

Sarah Zhang*, **Lily Chen***, William Zhang. Analyzing Gender Accuracy and Gender Quality in Multilingual Machine Translation with Large Language Models. Accepted at Widening Natural Language Processing (WiNLP) Workshop at EMNLP, 2023.

Industry Experience

- 6/22-8/22 **DRW Holdings, LLC**, *Quantitative Trading Intern*, Chicago, IL.
- Completed quantitative research project of Bayesian Skew Fitter for crypto options.
 - Researched and implemented proprietary options trading strategies, shadowed desks.
- 1/22-2/22 **Hudson River Trading**, *Crypto Tech Intern*, New York City.
- Built an optimal routing algorithm for pathfinding between crypto liquidity pools.
 - Researched DeFi technologies, helped build DEX (Decentralized Exchange) aggregator.

Selected Awards

- 2024 AAUW Selected Professions Fellowship
2024 Two Sigma Undergraduate Scholarship
2023 GFSD PhD Fellowship – Full tuition and \$20,000 stipend for 6 years
2023 ASQ Ellis R Ott Scholarship
2021 Coca Cola Scholarship

Teaching

02/23-05/23 18.062: Mathematics for Computer Science, Teaching Assistant, MIT.