Lily Chen

Research Interests

Human-centered AI, Multimodal AI, AI for Health, Signal Processing, and Statistics.

Education

09/25-Present **PhD in Computer Science**, *Stanford University*.

09/24-05/25 **MEng in Electrical Engineering and Computer Science**, *MIT*.
Thesis Advisor: Paul Liang
Thesis: Grounding Time Series in Language: Interpretable Reasoning with Large Language Models
GPA: **5.0/5.0**

09/21-05/25 **BS in Mathematics, Electrical Engineering and Computer Science**, *MIT*.
GPA: **4.9/5.0**

Research Experience

09/24-08/25 **Multisensory Intelligence Group**, *PI: Paul Liang*.
- Developed a method to ground time series in language for interpretable reasoning with LLMs

06/23-06/25 **University of Texas at Austin NLP Group**, *PIs: Junyi Jessy Li and Byron Wallace*.
- Co-led projects on biomedical text summarization and medical fact-checking

Publications

2025 Decide less, communicate more: On the construct validity of end-to-end fact-checking in medicine.
Sebastian Joseph, **Lily Chen***, Barry Wei, Michael Mackert, Iain J. Marshall, Paul Pu Liang, Ramez Kouzy, Byron C. Wallace, Junyi Jessy Li.*
arXiv preprint. [link]

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

Selected Awards

For Doctoral Studies

2025 DOE CSGF Fellowship (Math/CS Track) – full tuition and $45,000 stipend for 4 years

2025 Wireless History Foundation Scholarship – $7,500

For Master's

2024 AAUW Selected Professions Fellowship – $20,000

2023 ASQ Ellis R Ott Scholarship – $7,500

For Bachelor's

2024 Two Sigma Undergraduate Scholarship – $15,000

2021 Coca Cola Scholarship – $20,000

Teaching & Mentorship

Spring 2023 Teaching Assistant for Mathematics for Computer Science, MIT.
Spring 2023 MIT PRIMES Circle Mathematics Mentor.

Skills

Languages	English (fluent), Mandarin Chinese (advanced), Spanish (intermediate)
Programming	Python, C, Java
Software	PyTorch, NumPy, pandas, Hugging Face, seaborn, LaTeX