Janet Jhih-Yi **Hsieh**

GRADUATE RESEARCHER

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Education

Carnegie Mellon University — *Pittsburgh, PA, USA* — *2023-2024*
MASTER'S IN COMPUTER SCIENCE
- Advisors: Nihar B. Shah and Aditi Raghunathan

Carnegie Mellon University — *Pittsburgh, PA, USA* — *2019 - 2023*
B.S. IN COMPUTER SCIENCE
- Minors in Machine Learning and Robotics
- University Honors, School of Computer Science College Honors
- Honors thesis advisors: Virginia Smith and Tian Li

Publications

PEER-REVIEWED CONFERENCES

Vulnerability of Text-Matching in ML/AI Conference Reviewer Assignments to Collusions
Jhih-Yi Hsieh, Aditi Raghunathan, Nihar B. Shah
USENIX Security 2025
arXiv, research artifacts

Mathematical Justification of Hard Negative Mining via Isometric Approximation Theorem
Albert Xu, **Jhih-Yi Hsieh**, Bhaskar Vundurthy, Nithya Kemp, Eliana Cohen, Lu Li, Howie Choset
ICLR 2024
pdf, poster

POSTERS AND REPORTS

On Tradeoffs Between Fairness, Robustness, and Privacy Through Tilted Losses
Jhih-Yi Hsieh, Advised by: Tian Li, Virginia Smith
CMU SCS Undergraduate Thesis
poster, pdf

Presentations

Vulnerability of Text-Matching in ML/AI Conference Reviewer Assignments to Collusions
- USENIX Security 2025 **(3-minute presentation)**
- CODEML Workshop at ICML (poster)
- Forthcoming the 10th International Congress on Peer Review and Scientific Publication (poster)

On Tradeoffs Between Fairness, Robustness, and Privacy Through Tilted Losses
- Meeting of the Minds Undergraduate Research Symposium 2023 (oral)

Service

2025	*alt*-**FAccT 2025**, Paper Session Student Volunteer	*New York, NY, USA*
2023	**Women@SCS TechNights for girls**, Volunteer Lead Instructor	*Pittsburgh, PA, USA*

Industry Work Experience

Syllo *2024-2025*
SOFTWARE ENGINEER *New York, NY, USA*
- Built software and infrastructure for AI-enabled litigation workspace at high-growth startup.

Lyft *Summer 2022*
MACHINE LEARNING ENGINEERING INTERN *New York, NY, USA*
- Developed and productionized a large-scale Machine Learning solution for rider arrival time predictions.

Google *Summer 2021*
SOFTWARE TEST ENGINEERING INTERN *Remote*
- Built active learning solutions for diagnosing flakiness in software tests.