

# Jhih-Yi (Janet) Hsieh

GRADUATE RESEARCHER

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## Education

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### Carnegie Mellon University

MASTER'S COMPUTER SCIENCE

- Advisors: Nihar B. Shah and Aditi Raghunathan

Pittsburgh, PA, USA

2023-2024

### Carnegie Mellon University

BS COMPUTER SCIENCE

- Minors in Machine Learning and Robotics
- University Honors, School of Computer Science College Honors
- Honors thesis advisors: Virginia Smith and Tian Li

Pittsburgh, PA, USA

2019 - 2023

## Publications

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### PEER-REVIEWED CONFERENCES

#### Vulnerability of Text-Matching in ML/AI Conference Reviewer Assignments to Collusions

**Jhih-Yi Hsieh**, Aditi Raghunathan, Nihar B. Shah

Accepted to 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

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#### Vulnerability of Text-Matching in ML/AI Conference Reviewer Assignments to Collusions

- Forthcoming USENIX Security 2025 (**3-minute presentation**)
- Forthcoming 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 \_\_\_\_\_

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|------|---|------------------------|
| 2025 | <b>alt-FAccT 2025</b> , Paper Session Student Volunteer           | New York,<br>NY, USA   |
| 2023 | <b>Women@SCS TechNights for girls</b> , Volunteer Lead Instructor | Pittsburgh,<br>PA, USA |

## Industry Work Experience \_\_\_\_\_

<b>Syllo</b>	2024-2025
SOFTWARE ENGINEER	New York, NY, USA

- Built software and infrastructure for AI-enabled litigation workspace at high-growth startup.

<b>Lyft</b>	Summer 2022
MACHINE LEARNING ENGINEERING INTERN	New York, NY, USA

- Developed and productionized a large-scale Machine Learning solution for rider arrival time predictions.

<b>Google</b>	Summer 2021
SOFTWARE TEST ENGINEERING INTERN	Remote

- Built active learning solutions for diagnosing flakiness in software tests.