

Mian Yang

Ph.D. Candidate in Information Technology, Rutgers Business School

New Jersey, USA | mian.yang@rutgers.edu | <https://mianyang.github.io> | [linkedin.com/in/mianyang](https://www.linkedin.com/in/mianyang)
github.com/mianyang

About Me

I am a PhD candidate in Information Technology at Management Science and Information Systems Department of Rutgers Business School. My research integrates Access Control, Privacy Analysis, and Graph Analysis, with the goal of developing AI-driven frameworks that leverage Large Language Models (LLMs) to interpret natural language policies and ensure regulatory compliance in data security environments.

Education

Rutgers University - Rutgers Business School – Newark and New Brunswick, NJ Ph.D in Management - Information Technology, GPA 3.8/4.0	Aug 2022 – Present
Rutgers University - Rutgers Business School – Newark and New Brunswick, NJ Master of Science - Information Technology and Analysis, GPA 3.8/4.0	Aug 2021 – May 2022
University of Illinois Urbana-Champaign - Gies College of Business – Champaign, IL Master of Science - Accounting	Dec 2019 – Jan 2022

Teaching Experience

Teaching Assistant , Rutgers Business School – Newark and New Brunswick, NJ	Oct 2021 – Present
- Assisted instruction in undergraduate and graduate courses, including Information Security (6 semesters), Data Mining, Statistical Methods in Business, and Business Policy & Strategy. - Delivered one guest lecture per semester for Information Security courses. - Designed, administered, and graded four quizzes per semester; conducted in-class quiz reviews and explanations. - Supported student learning through grading, office hours, and Q&A sessions.	

Peer-Reviewed Publications

Mian Yang, Vijayalakshmi Atluri, Shamik Sural, Ashish Kundu. *Extraction of Machine-Enforceable ABAC Policies from Natural Language Text using LLM Knowledge Distillation*. In *Proceedings of the 30th ACM Symposium on Access Control Models and Technologies (SACMAT '25)*, ACM, pp. 157–168, Jul. 2025. doi:10.1145/3734436.3734447. Acceptance rate: 11/59 regular papers (18.6%).

Mian Yang, Vijayalakshmi Atluri, Shamik Sural, Ashish Kundu. *Automated Privacy Policy Analysis using Large Language Models*. In *Proceedings of the 39th IFIP WG 11.3 Conference on Data and Applications Security and Privacy (DBSec 2025)*, Lecture Notes in Computer Science, vol. 15722, Springer, Cham, Jun. 2025. doi:10.1007/978-3-031-96590-6_2. Acceptance rate: 19/59 full papers (32.2%).

Mian Yang, Vijayalakshmi Atluri, Shamik Sural, Jaideep Vaidya. *A Graph-Based Framework for ABAC Policy Enforcement and Analysis (Best Student Paper Award)*. In *Proceedings of the 38th IFIP WG 11.3 Conference on Data and Applications Security and Privacy (DBSec 2024)*, Lecture Notes in Computer Science, vol. 14901, Springer, Cham, Jul. 2024. doi:10.1007/978-3-031-65172-4_1. Acceptance rate: 14/39 full papers (35.9%).

Fundings and Award

- 2025** — Dean's Fund for Summer Ph.D. Research Assistantships, Rutgers Business School
Proposal Title: *Empowering Users with the Understanding and Analysis of Organizational Privacy Policies through LLMs*.
- 2024 (July)** — Best Student Paper Award, 38th IFIP WG 11.3 Conference on Data and Applications Security and Privacy (DBSec 2024)

- **2024** — Dean’s Fund for Summer Ph.D. Research Assistantships, Rutgers Business School
Proposal Title: *Generating Machine-Enforceable Security Policies from Natural Language Text*.
- **2023** — Dean’s Fund for Summer Ph.D. Research Assistantships, Rutgers Business School
Proposal Title: *A Graph-based Framework for ABAC Policy Enforcement*.
- **2021 (Spring)** — MITA Merit Scholarship, Rutgers Business School

Presentations

Automating Attribute-Based Access Control with LLM Distillation and Graph-Based Policy Modeling, *INFORMS Annual Meeting*, Atlanta, GA, 2025

Professional Service

Reviewer, *IEEE Transactions on Dependable and Secure Computing (TDSC)*, 2025–Present

Reviewer (invited by Program Committee), *International Conference on Information and Communications Security (ICICS)*, 2024

Contributor, Rutgers University’s successful designation as *NSA/DHS National Center of Academic Excellence in Cyber Research (CAE-R)*, Mar 2025–2030

Technologies

Languages: Python, SQL, JavaScript

Technologies: Microsoft SQL Server, Neo4j, Pycharm, Django, Tableau (Certified Tableau Desktop Specialist)