YUHONG LUO

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Education

Rutgers University   New Brunswick, NJ, USA
Ph.D. Student in Computer Science, 4.0 GPA   *September 2024 - Now*

University of Massachusetts   Amherst, MA, USA
M.S. in Computer Science, 3.97 GPA   *September 2022 - May 2024*

University of Washington   Seattle, WA, USA
B.S. double major in Computer Science and <u>ACMS</u>, 3.82 GPA   *September 2016 - March 2019*

Publications

- **Yuhong Luo**, Daniel Schoepflin and Xintong Wang. Algorithmic collusion at inference time: A meta-game design and evaluation. In *AAMAS*, 2026. [pdf]

- **Yuhong Luo**, Austin Hoag, Xintong Wang, Philip S. Thomas, Przemyslaw A. Grabowicz. Fair Representation Learning with Controllable High Confidence Guarantees via Adversarial Inference. In *NeurIPS*, 2025. [pdf]

- Siqi Miao, Ziyang Chen, **Yuhong Luo**, Hans Hao-Hsun Hsu, Mufei Li, Kaiqing Zhang, Pan Li. Can LLM Agents Assist Dynamic Network Simulation? A Case Study on Email Networks and Phishing Synthesis. In submission. [pdf]

- **Yuhong Luo** and Pan Li. Scalable and Efficient Temporal Graph Representation Learning via Forward Recent Sampling. In *Learning on Graphs (PMLR)*, 2024. [pdf]

- **Yuhong Luo** and Pan Li. Neighborhood-aware Scalable Temporal Network Representation Learning. In *Learning on Graphs (PMLR)*, 2022. ***Oral (4.6%)***, ***Best Paper Award***. [pdf]

Invited Talks

- Invited to present my work on **Temporal Graph Learning** at *Stanford* (in person), and at the *Temporal Graph Reading Group* (online) hosted jointly by *McGill University, Mila, and University of Mannheim*. [▶ Recording]

Awards

- LoG 2022 Best Paper Award (one of two papers), NeurIPS 2025 Travel Award

Experience

Rutgers   New Brunswick, NJ, USA
Graduate Researcher with PROF. XINTONG WANG *on AI and economics*   *September 2024 - Now*

UMass   Amherst, MA, USA
Graduate Researcher with PROF. PHILIP THOMAS *on Fair Representation Learning* (repo)   *February 2023 - September 2023*
Graduate Researcher with PROF. HUI GUAN *on Personalized Federated Learning* (repo)   *September 2022 - December 2022*

Purdue & Georgia Tech   Remote
Partime Research Intern with PROF. PAN LI *on Temporal Graph Learning* (repo)   *May 2021 - August 2022*

Airbnb   San Francisco, CA, USA
Software Engineer on Marketing Technology   *July 2019 - September 2022*
- Worked on **personalized marketing content recommendation** models. Designed and implemented marketing content building and campaign publishing tools. Designed and implemented coupon management and issuance platform

Meta   Seattle, WA, USA
Software Engineer Intern. Ads detection on landing pages   *July 2018 - September 2018*

Yahoo   San Francisco, CA, USA
Software Engineer Intern. Web services for game alerts   *July 2017 - September 2017*

UW   Seattle, WA, USA
Undergraduate Researcher with PROF. JAN BUYS *on Natural Language Processing* (repo)   *January 2019 - March 2019*
- Designed and implemented a graph learning algorithm to incorporate **semantic graphs** of sentences as input to **LSTM**

Teaching

- TA for Intro to AI, Principles of Information and Data Management at Rutgers, and Probability at UW.