

YUHONG LUO

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Education

Rutgers University

Ph.D. Student in Computer Science

New Brunswick, NJ, USA

September 2024 - Now

University of Massachusetts

M.S. in Computer Science, 3.97 GPA

Amherst, MA, USA

September 2022 - May 2024

University of Washington

B.S. double major in Computer Science and ACMS, 3.82 GPA

Seattle, WA, USA

September 2016 - March 2019

Publications

- **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. [\[pdf\]](#)
- **Yuhong Luo**, Daniel Schoepflin and Xintong Wang. Algorithmic collusion at inference time: A meta-game design and evaluation. In submission. [\[pdf\]](#)
- 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

Graduate Researcher with PROF. XINTONG WANG on AI and economics.

New Brunswick, NJ, USA

September 2024 - Now

UMass

Graduate Researcher with PROF. PHILIP THOMAS on Fair Representation Learning ([repo](#))

Amherst, MA, USA

February 2023 - September 2023

Graduate Researcher with PROF. HUI GUAN on Personalized Federated Learning ([repo](#))

September 2022 - December 2022

Purdue & Georgia Tech

Parttime Research Intern with PROF. PAN LI on Temporal Graph Learning ([repo](#))

Remote

May 2021 - August 2022

Airbnb

Software Engineer on Marketing Technology

San Francisco, CA, USA

July 2019 - September 2022

- Built **personalized marketing content recommendation** models. Designed and implemented marketing content building and campaign publishing tools. Designed and implemented coupon management and issuance platform.

Meta

Software Engineer Intern. Ads detection on landing pages.

Seattle, WA, USA

July 2018 - September 2018

Yahoo

Software Engineer Intern. Web services for game alerts.

San Francisco, CA, USA

July 2017 - September 2017

UW

Undergraduate Researcher with PROF. JAN BUYS on Natural Language Processing ([repo](#))

Seattle, WA, USA

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.