

Harry Shomer

CONTACT INFORMATION

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Github: <https://github.com/HarryShomer>

EDUCATION

Michigan State University, East Lansing, MI
PhD in Computer Science

August 2020 - Present

- Advisor: Dr. Jiliang Tang
- Research Areas: Knowledge Graph Representation Learning, Link Prediction, Deep Learning on Graphs

CUNY Brooklyn College, Brooklyn, NY
B.S. in Computer Science

May 2019

- GPA: 3.85/4.0
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RESEARCH EXPERIENCE

Data Science and Engineering Lab, Michigan State University

August 2020 - Present

- PhD Student, Computer Science and Engineering
 - Research Areas: Knowledge Graph Representation Learning, Link Prediction, Deep Learning on Graphs
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PUBLICATIONS

Conference Papers

- **Harry Shomer**, Wei Jin, Wenato Wang, Jiliang Tang. "Toward Degree Bias in Embedding-Based Knowledge Graph Completion". In *Proceedings of the ACM Web Conference (WWW)*, 2023.

Workshop Papers

- Jamell Dacon, **Harry Shomer**, Shaylynn Crum-Dacon, Jiliang Tang. "Detecting Harmful Conversational Content towards LGBTQIA+ Individuals". *Queer in AI Workshop at NAACL*, 2022.

Preprints

- **Harry Shomer**, Wei Jin, Juanhui Li, Yao Ma, Jiliang Tang. "Learning Representations for Hyper-Relational Knowledge Graphs". *arXiv preprint arXiv:2208.14322*, 2022.
 - Juanhui Li, **Harry Shomer**, Jiayuan Ding, Yiqi Wang, Yao Ma, Neil Shah, Jiliang Tang, Dawei Yin. "Are Graph Neural Networks Really Helpful for Knowledge Graph Completion?". *arXiv preprint arXiv:2205.10652*, 2022.
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HONORS AND AWARDS

NRT-Impacts Fellowship, Michigan State University

2021-2022

Engineering Distinguished Scholar, Michigan State University

2020-2021

Honors College, CUNY Brooklyn College

2015-2019

SERVICE EXPERIENCE

PC Member: ACL 2022, WSDM 2022, MLOG ICDM 2022, MLOG WSDM 2022, AI4EDU AAAI 2022

External Reviewer: EMNLP 2022, CIKM 2022, CIKM 2021, KDD 2021

WORK EXPERIENCE **Hearts & Science**, New York, NY

Data Engineer

June 2019 - August 2020

- Managed the day-to-day ingestion of data into our database.
- Helped develop an internal python package for core AWS and S3 functions used across multiple teams