Harry Shomer

CONTACT INFORMATION	Office: 428 S Shaw Ln Rm 3308	Homepage: https://cse.msu.edu/~shomerha/
	East Lansing, MI 48824	LinkedIn: https://www.linkedin.com/in/harry-shomer/
	Email: shomerha@msu.edu	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

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

---

PUBLICATIONS

Conference Papers

- Juanhui Li, **Harry Shomer**, Jiayuan Ding, Yiqi Wang, Yao Ma, Neil Shah, Jiliang Tang, Dawei Yin. "Are Message Passing Neural Networks Really Helpful for Knowledge Graph Completion?". *In Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics* , 2023.
- **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.

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

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 2023, WSDM 2022, MLOG ICDM 2022, MLOG WSDM 2022, AI4EDU AAAI 2022 |
| | **External Reviewer**: EMNLP 2022, CIKM 2022, CIKM 2021, KDD 2021, KDD 2023 |