

# Harry Shomer

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## CONTACT INFORMATION

Office: 428 S Shaw Ln Rm 3308  
East Lansing, MI 48824  
Email: shomerha@msu.edu

Homepage: <https://cse.msu.edu/~shomerha/>  
LinkedIn: <https://www.linkedin.com/in/harry-shomer/>  
Github: <https://github.com/HarryShomer>

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## 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

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## 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

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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