

Zheyuan Liu

PERSONAL INFORMATION

Zheyuan Liu
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EDUCATION

- 09/2019–05/2023 **B.S Computer Science, Applied Mathematics** (double-major)
Brandeis University, Waltham, MA, USA
Cumulative GPA: 3.87
Advisor: Prof. [Chuxu Zhang](#)
- 09/2023– Current **PhD Computer Science**
University of Notre Dame, Notre Dame, IN, USA
Advisor: Prof. [Meng Jiang](#)

RESEARCH INTEREST

Privacy Preservation Machine Learning: Machine Unlearning, Approximate Unlearning, Data Privacy, Privacy in LLMs

Data-Centric Problem and Learning: Data Augmentation, Data Generation

Machine Learning and on Graphs: Model Fairness, Model Robustness

PUBLICATIONS

1. Breaking the trilemma of privacy, utility, efficiency via controllable machine unlearning. In *Under Review of WWW* (2024)
2. **LIU, ZHEYUAN**, ZHANG, C., TIAN, Y., ZHANG, E., HUANG, C., YE, Y., AND ZHANG, C. G-FAME: Fair graph representation learning via diverse mixture of experts. In *WWW* (2023)
3. ZHANG, C., TIAN, Y., JU, M., **LIU, ZHEYUAN**, YE, Y., CHAWLA, N., AND ZHANG, C. Chasing all-round graph representation robustness: Model, training, and optimization. In *ICLR* (2023)
4. WU, J., ZHANG, C., **LIU, ZHEYUAN**, ZHANG, E., WILSON, S., AND ZHANG, C. Graph-BERT: Bridging graph and text for malicious behavior detection on social media. In *ICDM* (2022)

5. WANG, Y., PENG, H. M., SHA, L., **LIU, ZHEYUAN**, AND HONG, P. State-level covid-19 trend forecasting using mobility and policy data. *medRxiv* (2021)

TEACHING EXPERIENCE

09/2021 – 05/2023 **Brandeis University**, Waltham, MA

Teaching Assistant

- Acted as teaching assistant for **COSI 10a** (Python), **COSI 12b** (JAVA), **COSI 103a** (Fundamentals of Software Engineering) and **COSI 131a** (Operating System class), held office hours each week helping students with programming assignments and questions about the content from the lecture.
- Assisted Professor grade assignments, exams and gave feedback to students.

09/2023 – Current **University of Notre Dame**,

Teaching Assistant

- Acted as teaching assistant for **CSE-40923** (Case Studies in Computing-Based Entrepreneurship class), held office hours each week helping students with programming assignments and questions about the content from the lecture.
- Assisted Professor grade assignments, exams and gave feedback to students.

HONORS, AWARDS & SCHOLARSHIPS

05/2023	Molly W. and Charles K. Schiff Memorial Award (Top 3 %)
06/2022	Provost's Research Fellowship (5000 dollars)
12/2019	Dean's List (Every semester)
09/2017	Patent of a new type of packing tool

SKILLS:

Python, Pytorch, Tensorflow, Deep Learning, Java, JavaScript, HTML, CSS, SQL, Linux command, Typescript

REVIEWER

IEEE Transactions on Big Data Reviewer
IEEE Transactions on Neural Networks and Learning Systems (TNNLS) Reviewer
ICDM 2024 MLoG Workshop Reviewer
WWW 2024 Reviewer