

# Zheyuan Liu

## PERSONAL INFORMATION

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Zheyuan Liu  
University of Notre Dame  
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Website: <https://franciscoliu.github.io/>

## EDUCATION

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- 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

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**Privacy Preservation Machine Learning:** Large Language Model (LLM)  
Security, Machine Unlearning, Approximate Unlearning, Data Privacy

**Knowledge-based Model Editing (KME):** Knowledge Update, Knowledge  
Conflict, Model Editing

**Data-Centric Problem and Learning:** Data Augmentation, Data Generation,  
Generative AI

**Machine Learning and on Graphs:** Model Fairness, Model Robustness, Trustworthy-  
AI

## PUBLICATIONS

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1. **LIU, ZHEYUAN**, HE, X., TIAN, Y., AND CHAWLA, N. Can we soft prompt llms for graph learning tasks? In *Under Review of WWW Short Paper* (2024)
2. **LIU, ZHEYUAN**, DOU, G., TIAN, Y., ZHANG, C., CHIEN, E., AND ZHU, Z. Breaking the trilemma of privacy, utility, efficiency via controllable machine unlearning. In *WWW* (2024)

3. **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)
4. 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)
5. 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)
6. 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

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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

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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:

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

## SERVICE

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IEEE Transactions on Big Data Reviewer

IEEE Transactions on Neural Networks and Learning Systems (TNNLS) Reviewer

ICDM 2024 MLoG Workshop Reviewer

TKDE 2023 Reviewer