BINGJUN GUO

1010 W Urbana, IL 61801 | +1 (217) 979-0282 | bingjun3@illinois.edu / bingjun.21@intl.zju.edu.cn

EDUCATION

University of Illinois Urbana-Champaign *Urbana-Champaign, US*   *Sep. 2021 – present*
Bachelor of Science in Computer Engineering   *GPA: 3.91/4.0*

Zhejiang University *ZJU-UIUC Institute, Haining, China*   *Sep. 2021 – present*
Bachelor of Engineering in Electrical and Computer Engineering   *GPA: 3.97/4.0*

RELEVANT EXPERIENCES

Large Language Models Augmented Data Cleaning Framework   *Jun. 2023 – Aug. 2023*
Summer Research Program, Center of Data Science, ZJU

- Developed a heterogenous tabular data representative learning model adopting transfer learning with pretrained language models
- Designed a compound pipeline with cutting edge error detecting and data cleaning methods achieving an ideal performance on representing dirty datasets
- Experimented on improving model robustness through few-shot prompting to LLaMA-7B
- Gained a comprehensive and detailed understanding of all mainstream deep-learning based language models

Review on Knowledge Graph Representation Methods   *Jun. 2022 – Jul. 2022*
Summer Research Project, ZJU-UIUC Institute

- Experimented on concurrent representation learning approaches for KGs including TransE, TransH, TransR etc. on distinguished datasets
- Analyzed differences between the performances tracing back to features of datasets and model structure
- Developed a first understanding of representative learning, knowledge engineering as well as skills to set up the research environment

RELATED COURSE WORK

- A+ or A in all Physics, Philosophy, and Rhetoric courses
- A or A+ in Computer Systems Engineering, Data Structures, Database Systems, Probability with Engineering Applications, Discrete Math, Field & Waves I, and Analog Signal Processing
- A- in the other Mathematical courses including Calculus II&III, Linear Algebra (given as Matrix Analysis combined with Abstract Algebra in fact), and Differential Equations

HONORS & AWARDS

Outstanding Summer Research Project   *Dec. 2023*
(~top 20% in ZJU-UIUC Institute)

Mathematical Contest in Modeling (MCM)   *Feb. 2023*
Finalist (~top 1.5% worldwide)

SKILLS

- Programming Languages: C/C++, Python (including ml packets like PyTorch, Keras, Transformers)
- Mathematical Tools: MATLAB, SageMath
- Database Systems: mySQL, Neo4j, MongoDB
- Others: Ancient Chinese divination (I'm serious), considerable singing skill in all mainstream vocal range for male