CONTACT

✉ yifengxiao.xjtu@gmail.com

◯ Yf_Xiao

☎ +86 158 9173 1757

SKILLS

Machine Learning   3+ yrs

Python   3+ yrs

Linux   6 Mon

Matlab   1+ yrs

Teaching Assistant   6 Mon

ENGLISH

Toefl

100
Speaking: 22
Listening: 29
Reading: 27
Writing: 22

IELTS

7.0
Speaking: 6.5
Listening: 7.5
Reading: 6.5
Writing: 6.5

GRE

320 + 3.5
Verbal: 154
Quant: 166
Writing: 3.5

INTERESTS

Work out, Vlogger

YIFENG XIAO

EDUCATION

M. S. - Mathematics   **2021 - 2024**
Xi'an Jiaotong University - Xi'an, Shaanxi (China)

Current Status: Coursework completed with current **average score: 85.86**.

B. S. - Honors Science Program (Mathematics and Aplied Mathematics)   **2017 - 2021**
Xi'an Jiaotong University - Xi'an, Shaanxi (China)

Current Status: Completed with **average score: 88.55**.

Intensive English Program   **1.2020 - 5.2020**
Georgia Institute of Technology - Atlanta, Georgia (the U.S.)

Current Status: Passed with **overall GPA 3.95**, including: Statistical Estimation: **A**, Information Theory: **A**.

WORK AND RESEARCH EXPERIENCE

Research Assistant   **5.2023 - 11.2023**
Shenzhen Institute of Big Data, Shenzhen (China)

Applying deep learning techniques in optimization problem solving:

- Using GNNs to approximate the second-stage objective values in two-stage stochastic programming and making this approximation model generalizable between instances within a problem.

- Proposing a preprocessing approach to handle the symmetric of MILP when using bipartite graphs.

Calculus Teaching Assistant   **9.2021 - 2.2022**
Xi'an Jiaotong University, Xi'an (China)

Grading students' assignments and test papers, giving revision lessons, providing Q&A.

Research Projects   **10.2020 - 5.2023**
Xi'an Jiaotong University, Xi'an (China)

- **Distributed Algorithms for Computing and Clustering Analysis**: Proposing a distributed clustering algorithm based on learning to hash technique.

- **Beamforming in Duplex Wireless Communication System**: Using stochastic successive convex approximation to suppress interference in communicatoin system.

- **Semantic Communication System Based on Transformer**: Achieving semantic joint encoding and decoding based on transformer network.

PUBLICATIONS

Hashing-Based Distributed Clustering for Massive High-Dimensional Data   **SCI - IF 7.2**
IEEE Transactions on Big Data

Status: Undergoing Review
arXiv: https://arxiv.org/abs/2306.17417