

# LI ZENAN

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## Education

### Shanghai Jiao Tong University

Shanghai, China








B. Eng. in Computer Science and Engineering

September 2019 – June 2023 (Expected)

- GPA 94.10/100 (or 4.12/4.3), Rank 1/120
- Sensetime Fellowship (only 30 from national-wide cross all undergraduates), Lixin Tang Scholarship, Huawei Fellowship, Zhiyuan Honor Scholarship
- Achieved A+ on more than 30 courses, including specialized courses (Operating System, Computer Architecture, Algorithm, Machine Learning, etc) and all mathematical courses (Mathematical Analysis, Linear Algebra, Probabilistic Theory, etc)
- I served as a reviewer for ICML'22 and LoG'22.

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## Coding Projects

- [ [Emiyalzn/GraphDE](https://github.com/Emiyalzn/GraphDE)]: Official implementation for: Towards Debaised Learning and OOD Detection for Graph Data, which has been accepted by NeurIPS'22.
- [ [Emiyalzn/ICML22-CRB](https://github.com/Emiyalzn/ICML22-CRB)]: Official implementation for: On Collective Robustness of Bagging Against Data Poisoning, which has been accepted by ICML'22.
- [ [Emiyalzn/Sketch-Recognition](https://github.com/Emiyalzn/Sketch-Recognition)]: We implement a series of free-hand sketch recognition baselines based on RNN or CNNs. Furthermore, we propose Trans2CNN, which outperforms all the other algorithms combining the power of Transformer and CNNs.
- [ [Emiyalzn/Model-Free-Control](https://github.com/Emiyalzn/Model-Free-Control)]: We test and compare some typical model-free RL control algorithms' performance on different environments in this repo. Specifically, we implement D3QN on Atari, SAC and PPO on MuJoCo.
- [ [Emiyalzn/Ride-Hailing-DataAnalyzer](https://github.com/Emiyalzn/Ride-Hailing-DataAnalyzer)]: A cab traffic analysis software written in C++, based on Qt5 platform. Have implemented functionalities like traffic visualization, time prediction and route planning.
- [ [Emiyalzn/Online-Bookstore](https://github.com/Emiyalzn/Online-Bookstore)]: An online bookstore application based on React (frontend) and Springboot (backend). Have implemented functionalities like cart management, order management and statistical visualization.
- [ [Emiyalzn/Eff-mQRCode](https://github.com/Emiyalzn/Eff-mQRCode)]: Course project for CS339-Computer Networks. Reproduce the work: mQRCode in MobiCom'19, using Pix2PixGAN to raise mQRCode's decryption speed and robustness by a large margin.

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## Experience

### Research

September 2020 – Present

Shanghai Jiao Tong University

Thinklab

- Neural Relational Inference for Multi-dimensional Temporal Point Processes via GNNs.  
2021.06 – 2021.08
- On Collective Robustness of Bagging Against Data Poisoning  
Ruoxin Chen, **Zenan Li**, Jie Li, Chentao Wu, Junchi Yan  
International Conference on Machine Learning (ICML 2022)  
2021.12 – 2022.05
- Towards Scalable (All-Pair) Message Passing for Node Classification beyond Explicit Topology  
Qitian Wu, **Zenan Li**\*, Wentao Zhao\*, David Wipf, Junchi Yan (\* denotes equal contribution)  
Advances in Neural Information Processing Systems (NeurIPS 2022)  
2021.10 – 2022.09

- Towards Debiased Learning and Out-of-Distribution Detection for Graph Data  
**Zenan Li**, Qitian Wu, Fan Nie, Junchi Yan  
*Advances in Neural Information Processing Systems (NeurIPS 2022)*  
2022.02 – 2022.09
- ROCO: A General Framework for Evaluating Robustness of Combinatorial Optimization Solvers on Graphs  
Co-first author, submitted to **AAAI 2023**  
2021.08 – Present

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## Skills

**Languages:** Python, C/C++ , JavaScript, Java, Rust.

**Technical Skills:** React (frontend), SpringBoot (backend), Qt (software), MySQL (database).

**Machine (Deep) Learning Related Knowledge:**

- PyTorch (proficient), TensorFlow (able to read).
- Familiar with popular GNN models (GCN, GAT, GPRGNN, IDGL, etc).
- Understand common DL models (Transformer, GAN, VAE, etc).