Yang Li

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EDUCATION

Shanghai Jiao Tong University (SJTU), Shanghai, China   Sep. 2022 – Present

Master, Department of Computer Science and Engineering, Supervisor: Junchi Yan
- GPA: 3.78/4.0
- Courses: 87.5% at A level

Shanghai Jiao Tong University (SJTU), Shanghai, China   Sep. 2018 – Jul. 2022

Bachelor, School of Cyber Science and Engineering
- GPA: 91.03/100 (or 3.93/4.3), Rank: 3/129
- Foundation Courses: 73.33% above A, 40.00% above A+
- Subject Courses: 80% above A, 50.00% above A+

PUBLICATIONS

- **Improving Generative Adversarial Networks via Adversarial Learning in Latent Space**
  Yang Li, Yichuan Mo, Liangliang Shi, Junchi Yan
  Advances in Neural Information Processing Systems (**NeurIPS 2022 Spotlight**)
- **HardSATGEN: Understanding the Difficulty of Hard SAT Formula Generation and A Strong Structure-Hardness-Aware Baseline**
  Yang Li, Xinyan Chen, Wenxuan Guo, Xijun Li, Wanqian Luo, Junhua Huang, Hui-Ling Zhen, Mingxuan Yuan, Junchi Yan
  SIGKDD Conference on Knowledge Discovery and Data Mining (**KDD 2023**)
- **IID-GAN: an IID Sampling Perspective for Regularizing Mode Collapse**
  Yang Li*, Liangliang Shi*, Junchi Yan (*: equal contributon.)
  International Joint Conference on Artificial Intelligence (**IJCAI 2023**)
- **The Policy-gradient Placement and Generative Routing Neural Networks for Chip Design**
  Ruoyu Cheng, Xianglong Lyu, **Yang Li**, Junjie Ye, Jianye Hao, Junchi Yan
  Advances in Neural Information Processing Systems (**NeurIPS 2022**)
- **Kissat_Adaptive_Restart, Kissat_Cfexp: Adaptive Restart Policy and Variable Scoring Improvement**
  Yang Li, Yuqi Jia, Wanqian Luo, Hui-Ling Zhen, Xijun Li, Mingxuan Yuan, Junchi Yan
  Proceedings of SAT Competition 2022

EXPERIENCE

ThinkLab, Shanghai Jiao Tong University, Shanghai, China   Jul. 2021 – Present

Researcher Supervisor: Prof. Junchi Yan

- Undergraduate researcher and master researcher.
- Research interests lie deep generative models and combinatorial optimization on graphs.

Learning Optimization Solver Project, with **Huawei Noah's Ark Lab**   Apr. 2022 – Feb. 2023

Researcher Leader/Mentor: Xijun Li and Prof. Junchi Yan

- The solver Kissat_Adaptive_Restart that I was personally responsible for achieved 12th place in Anniversary Track and 26th place in Main Track worldwide
- The solving strategy is ready to be integrated into Huawei's practical applications, with an average performance gain of around 15% and a maximum performance improvement of 97%.
- A paper on SAT instance generation was accepted in KDD 2023.

Honors and Awards

National Scholarship (top 0.2% in the nation)	2019
Outstanding Graduate of Shanghai (top 3%)	2022
Huawei Fellowship	2020
HyperGryph Fellowship	2021
1st-Class Academic Excellence Scholarship (top 1%)	2019
Merit Student of Shanghai Jiao Tong University	2019, 2020
1st-Class Academic Scholarship for Graduate Students	2022
Special Prize for Social Practice of SJTU	2020
First Prize for Social Practice of SJTU	2019
Advanced Individuals in Social Practice of SJTU	2020

Miscellaneous

- Academic Service: NeurIPS 2023 Reviewer
- Blog: https://yangco-le.github.io/
- GitHub: https://github.com/yangco-le
- Languages: English - Experienced, Mandarin - Native speaker