Yifan Song

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Education

- **Southeast University** 2018.09 – 2022.06
  - Bachelor of Computer Science and Technology
- **The Hong Kong University of Science and Technology(Guangzhou)** 2022.09 –
  - Phd of Data Science and Analystic, Supervisor: Prof. Jing Tang

Competition Awards

- **The 2018 ICPC Asia Regional Contest, Xuzhou Site** *Silver Medal* 2018.11
- **The 2019 ICPC Asia Regional Contest, Nanchang Site** *Silver Medal* 2019.12
- **The 2020 Jiangsu Collegiate Programming Contest(JSCPC)** *Gold Medal* 2020.11
- **The 2020 CCPC, Mianyang Site** *Silver Medal* 2020.11
- **The 2022 ICPC Asia Regional Contest, Nanjing Site** *Gold Medal* 2022.12

Internship&Work

- **Tencent Lightspeed & Quantum Studios Group** 2019.06 – 2019.09
  - Participated in the development of **Plato**, which is a framework for distributed graph computation and machine learning at wechat scale. I mainly focused on the distributed deployment of it.

Project Experiences

- **Obstacle Avoidance System for Monocular UAV** *National Innovation Project*
  - For monocular UAV can't get accurate distance by its single camera, we design a model that can catch the object in camera and compute the distance using deep learning accurately. This project refers to the paper **Digging Into Self-Supervised Monocular Depth Estimation (ICCV 2019)** and **MADER: Trajectory Planner in Multi-Agent and Dynamic Environments**.

Research Experience & Paper

- **MOE Key Laboratory, Southeast University** *Research Assistant* 2019.9 - 2021.10
  - I joined MOE Key Laboratory of Computer Network and Information Integration, Southeast University as a research assistant. My research direction is Dynamic and Heterogeneous Network Embedding, and I'm also interested in Algorithms Design and Analysis. A paper about my work can be seen below.
- **Dynamic Network Embedding By Time-Relaxed Temporal Random Walk**
  Song Y, Lai D, Chong Z, et al. Dynamic Network Embedding by Time-Relaxed Temporal Random Walk[C]//Neural Information Processing: 28th International Conference, ICONIP 2021, Sanur, Bali, Indonesia, December 8–12, 2021, Proceedings, Part I 28. Springer International Publishing, 2021: 426-437.