

## Education

Sep 2023 – Jun 2028 (Expected)	<b>Washington University in St. Louis</b> PhD in Computer Science <b>Advisor:</b> William Yeoh
Sep 2020 – Jun 2023	<b>ShanghaiTech University (Co-Founded by the Chinese Academy of Sciences)</b> Master's Degree, Information & Communication Engineering <b>GPA (Major):</b> 3.7/4.0; <b>GPA (Overall):</b> 3.66/4.0;
Sep 2016 – Jun 2020	<b>ShanghaiTech University (Co-Founded by the Chinese Academy of Sciences)</b> Bachelor's Degree, Computer Science & Technology <b>GPA (Major):</b> 3.5/4.0; <b>GPA (Overall):</b> 3.43/4.0

## Research Interests

- Explainable Planning and Scheduling
- Artificial Intelligence
- Bandit and Reinforcement Learning

## Skills

- **Programming:** Python (Pytorch, Numpy) / C++ / C / Matlab
- **Cooking:** hong shao pai gu, lu niu rou

## Selected Publications

- Zhang, T., Wang, S., **Tang, Y.**, Shao, Z., & Yang, Y. “**Privacy-Preserving Edge Intelligence: A Perspective of Constrained Bandits.**” IEEE Wireless Communications and Networking Conference (WCNC), 2024 (**Accepted**).
- Wang, S., Bian, S., **Tang, Y.**, & Shao, Z. “**Social-Aware Distributed Meta-Learning: A Perspective of Constrained Graphical Bandits.**” IEEE International Conference on Communications (ICC), 2023.
- **Tang, Y.**, Hou, J., Huang, X., Shao, Z., & Yang, Y. “**Green Edge Intelligence Scheme for Mobile Keyboard Emoji Prediction.**” IEEE Transactions on Mobile Computing (TMC), 2023.
- Bian, S., Wang, S., **Tang, Y.**, & Shao, Z. “**Social-Aware Edge Intelligence: A Constrained Graphical Bandit Approach.**” IEEE Global Communications Conference (GLOBECOM), 2022.
- **Tang, Y.**, Huang, T., Huang, X., Shao, Z., & Yang, Y. “**Learning-Aided Stable Matching for Switch Controller Association in SDN Systems.**” IEEE International Conference on Communications (ICC), 2022.
- Hou, J., **Tang, Y.**, Huang, X., Shao, Z., & Yang, Y. “**Green Edge Intelligence Scheme for Mobile Keyboard Emoji Prediction.**” IEEE International Conference on Communications (ICC), 2021.
- Huang, X., **Tang, Y.**, Shao, Z., & Yang, Y. “**Joint Switch-Controller Association & Control Devolution for SDN Systems: An Integrated Online Perspective of Control & Learning.**” IEEE Transactions on Network & Management (TNSM), 2021.
- Gao, X., Huang, X., **Tang, Y.**, Shao, Z., & Yang, Y. “**History-Aware Online Cache Placement in Fog-Assisted IoT Systems: An Integration of Learning & Control.**” IEEE Internet of Things Journal (IoT-J), 2021.
- Huang, X., **Tang, Y.**, Shao, Z., & Yang, Y. “**Joint Switch-Controller Association & Control Devolution for SDN Systems: An Integration of Online Control & Online Learning.**” IEEE/ACM International Symposium on Quality of Service (IWQoS), 2020.

- Gao, X., Huang, X., **Tang, Y.**, Shao, Z., & Yang, Y. “**Proactive Cache Placement with Bandit Learning in Fog-Assisted IoT Systems.**” IEEE International Conference on Communications (ICC), 2020.
- Zhu, J., Huang, X., **Tang, Y.**, & Shao, Z. “**Learning-Aided Online Task Offloading for UAVs-Aided IoT Systems.**” IEEE Vehicular Technology Conference (VTC), 2019.

## Teaching

### TA, SI140: Probability & Mathematical Statistics, ShanghaiTech, Fall 2022 & Fall 2021

- Weekly in-person tutorial (including exercise & discussion sessions) with a class size of 70-80 students
- Assignment design and grading (including weekly exercise, project proposal, exam paper, etc.)
- After-class question answering with both online and in-person approaches during office hours

## Awards & Honors

Oct 2022	National Scholarship for Graduate Students — Ministry of Education of China
Jun 2022	Third Prize — Huawei Competition in URLLC Algorithm Design
Dec 2021	Merit Student — ShanghaiTech University
Jun 2018	Meritorious Winner — Mathematical Contest in Modelling