

Jiaqi Liu

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EDUCATION

University of Trento ■ PhD student, DISI, supervised by Prof. Nicu Sebe.	Trento, Italy	2023—present
Shanghai Jiao Tong University ■ Master student in Control Engineering, at SEIEE, supervised by Prof. Yun Gu.	Shanghai, China	2019—2022
Politecnico di Milano ■ Exchange student, at Department of Computer Science and Engineering.	Milan, Italy	2018—2020
Shanghai Jiao Tong University ■ Bachelor student, in Automation, at SEIEE.	Shanghai, China	2015—2019

WORK EXPERIENCES

■ Research Assistant Supervisor: Prof. Qi Dou	Chinese University of Hong Kong, Hong Kong	2022.10—2023.7
■ Quantitative Research Internship	Citic Securities, Shanghai, China	2021.11—2021.12
■ Research Internship Mentor: Dr. Yonggen Ling	Tencent RoboticsX Lab, Shenzhen, China	2021.4 —2021.9

PUBLICATIONS

- **Multi-focal Conditioned Latent Diffusion for Person Image Synthesis.** Jiaqi Liu, Jichao Zhang, Paolo Rota, Nicu Sebe. *Proceedings of the IEEE/CVF conference of Computer Vision and Pattern Recognition (CVPR) 2025.*
- **Visual-Kinematics Graph Learning for Procedure-agnostic Instrument Tip Segmentation in Robotic Surgeries.** Jiaqi Liu, Yonghao Long, Kai Chen, Cheuk Hei Leung, Zerui Wang, Qi Dou. *IEEE International Conference on Intelligent Robots and Systems (IROS) 2023.*
- **Deep Asymmetric Learning for Efficient Surgical Instrument Parsing.** Jiaqi Liu, Yu Qiao, Jie Yang, Guang-Zhong Yang, and Yun Gu. *IEEE International Conference on Robotics and Automation (ICRA) 2021.*

AWARDS

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| ■ National Scholarship , from the ministry of Education of China (3/189) | 2021 |
| ■ Excellent Graduate Awards, in Shanghai Jiao Tong University | 2021 |
| ■ Excellent Graduate Awards, in Shanghai Jiao Tong University | 2019 |
| ■ Grand Prize, in the 5th Delta Advanced Automation Contest (2/164) | 2018 |