Mike Xiangyu Liu

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EDUCATION

Nanyang Technological University (NTU), Singapore
- M.Sc. in Computer Control and Automation   Aug 2018 – Jun 2019
  - Dissertation: Quantitative Trajectory Evaluation Criterion and Long-term Enhancement for Multi-Robot SLAM[2]
  - Adviser: Prof. Danwei Wang
  - Focus: Multi-Robot SLAM, Computer Vision
  - Cumulative GPA: 3.88 / 5.0

University of Electronic Science and Technology of China (UESTC), Chengdu, Sichuan, P.R.China
- B.Mgt. in Electronic Commerce   Sep 2014 – Jun 2018
- B.Eng. in Electronic Engineering
  - Dissertation: Research on Organizational Attraction of JD.COM in the era of Smart Logistics [1]
  - Recommended Postgraduate Qualification
  - Cumulative GPA: 3.47 / 4.00

SKILLS
- C/C++, Linux, ROS, Python and Matlab.
- Computer Vision, Perception and Navigation, Software Development

AWARDS & SCHOLARSHIPS

National First Award, in National University Electronics Design Contest (NUEDC), MoE China
                               Aug 2017

National Bronze Award, in JD X Robot Challenge Contest, JD.COM   Apr 2017

Recommended Postgraduate Qualification, in UESTC   Sep 2017

WORK EXPERIENCE

Nanyang Technological University, Singapore
- Research Associate   Jul 2021 – Now
  - Supervisor: Prof. Danwei Wang

Zhejiang University, Hangzhou, China
- Research Assistant, State Key Lab of CAD&CG, College of Computer Science   Jul 2020 – Apr 2021
  - CAD&CG: Computer Aided Design and Computer Graphics
  - Project: Multi Robot Collaborative SLAM [3]
  - Supervisors: Prof. Guofeng Zhang

CAMPUS ACTIVITIES

Work-Zone of Innovation And Entrepreneurship, School of Management and Economics, UESTC
- Chief Manager   Jul 2015 – Sep 2017
  - Improved the talent-training concept and mechanism.
  - Led the team to finish 11 university-level projects, and won over 10 prizes including 3 national and 1 provincial prizes.

Gymguys Training and Fitness Company, Chicago, USA
- Internship   Jul 2015 – Aug 2015
  - Marketing work as an assistant of the marketing director.

SMU Entrepreneurship Program, Singapore Management University, Singapore
- Course Program   Jan 2016 – Feb 2016
  - Attended SMU entrepreneurship courses, including innovation mind, entrepreneurship management, and team management, etc.
  - Finished the business plan training program with the entrepreneurship idea of "THE LAST MILE",which was focusing on problems of O2O delivery.

LANGUAGES
- Chinese: Native speaker.
- English: Fluent (IELTS: 8(7)).

REFERENCES
- **Dr Danwei WANG, Professor**
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- **Dr Guofeng ZHANG, Professor**
  Computer Vision Group, State Key Lab of CAD&CG
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  College of Computer Science and Technology,
  Zhejiang University,
  Tel.: +86 571 88206681
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  WWW: https://zhpcui.github.io/

PUBLICATIONS

[1] **Xiangyu Liu**. Research on organizational attraction of jd.com in the era of smart logistics (only in chinese). Bechalor Thesis, University of Eletronic Science and Technology of China, 10.13140/RG.2.2.34092.69760, 2018.

[2] **Xiangyu Liu**. Quantitative trajectory evaluation criterion and long-term enhancement for multi-robot slam. Master's thesis, Nanyang Technological University Singapore, 10.13140/RG.2.2.14698.88002, 2019.

[3] **Xiangyu Liu**, Weicai Ye, Chaoran Tian, Zhaopeng Cui, Guofeng Zhang, and Hujun Bao. Coxgraph: Multi-robot collaborative, globally consistent, online dense reconstruction system. In *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2021.