

YIKUN LI

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EDUCATION

University of Liverpool, Liverpool, UK 2025 – Present

PhD in Robotics, expected January 2029

University College London, London, UK 2023 – 2024

MSc. in Connected Environments

Xi'an Jiaotong-Liverpool University, London, UK 2023 – 2024

BEng. in Internet of Things

RESEARCH INTERESTS

Teleoperation, Human-Robot collaboration, Industrial assembly and automation, Robot control

EXPERIENCE

Xi'an Jiaotong-Liverpool University, Suzhou, China Jun. 2022 – Sep. 2022

Research Assistant Supervisor: Dr. Bong-Hwan Oh

- Applied the MPTCP protocol to SDN
- Investigated the problem that a number of congestion links in a sublink of mptcp would have an impact on the transmission rate of another sublink

Xi'an Jiaotong-Liverpool University, Suzhou China Jan. 2022 – Mar. 2022

Research Assistant Supervisor: Dr. Bong-Hwan Oh

- Built simple SDN systems with Ryu controller
- Researched and explored Ryu controller source code

SKILLS

- Programming Languages: C/C++, Java, Python, HTML/CSS/Javascript
- Platform: Linux, Matlab, Simulink, Unity
- Development: Robotics, Web Front/Back-end, Data Visualization
- Considerable teamwork and leadership skills, and strong skill of presentation etc.

MISCELLANEOUS

- Blog: <http://yikunli9.github.io>
- GitHub: <https://github.com/yikunli9>
- Languages: English - Fluent, Mandarin - Native speaker

PUBLICATIONS

Li, Y. and Oh, B.-H. (2024b) 'MPTCP-based link congestion detection and traffic control scheme in software-defined networks', *ICT Express*, 10(4), pp. 735–746.