

EDUCATION

Major: MSc Robotics**09/2024 – 09/2025***The University of Manchester, Manchester, the United Kingdom***Major: BSc Information and Computing Science (First Class)****09/2020 – 07/2024***Xi'an Jiaotong – Liverpool University (XJTLU), Jiangsu, China & University of Liverpool, Liverpool, the United Kingdom*

- Student Representative, Xi'an Jiaotong – Liverpool University 2022-2024
- Conscientious Student Leader, Xi'an Jiaotong – Liverpool University 2022,2023
- Excellent Assistant, Xi'an Jiaotong – Liverpool University 2021
- Outstanding Volunteer, Xi'an Jiaotong – Liverpool University 2021

PROJECT EXPERIENCE

Group Leader for UAV (9 Members)**06/2023 – 08/2023***Summer Research Fellowship 2023 – Research on Honeypot-based Hands-on Network Attack and Defense*

- Communicated with professors and mobilized members; wrote documents for MAVLink protocol and functions
- Read reports on honeypot usage for UAV; studied MAVLink protocol and the security of the protocol; deployed a drone simulator and analyzed message signing function of MAVLink
- Made detailed research on the final year project Security Investigation towards MAVLink Protocol for UAV
- Gained great knowledge on signal, wireless and serial communication

Group Leader (8 Members)**03/2023 – 05/2023***Software Engineering Group Project*

- Wrote the software requirements in the format used in the Scrum framework, the Product Backlog Item
- Made the first release of the software (completed the major system architecture, system-level software design, some main features, and various testing for 3 increments)
- Contacted with professors, communicated with members, enriched experience in programming a java group project; wrote a report of final solution

Member (5 Members)**06/2022 – 08/2022***Summer Research Fellowship 2022 - Portable Penetration Testing Tool*

- Used Raspberry Pi to deploy a portable Penetration Testing tool
- Made analysis about literature, hardware and software; design hardware and software and integrate with installation and configuration
- Used Kali Linux for Web Penetration Testing and wrote a report about basic security testing for beginners

COMMUNITY & LEADERSHIP ACTIVITIES

Student Representative**09/2022 – 07/2024***School of Advanced Technology, Xi'an Jiaotong – Liverpool University*

- Brought up questions and offered suggestions on behalf of the students of the school; created a bridge between faculty and students for better communication

Student Representative**09/2022 – 07/2023***Internal Periodic Review Meeting, Xi'an Jiaotong – Liverpool University*

- Worked with other 2 representatives and reviewed the academic and non-academic activities; on behalf of all undergraduate students, gave reports and feedback to the management team of the university

Vice Minister of Future Development**05/2022 – 05/2023***Student Development Association, School of Advanced Technology, Xi'an Jiaotong – Liverpool University*

- Took the responsibility of students' future development, including employment and further studies
- Arranged seminars and activities with senior students and representatives from universities and companies

Volunteer, Library, Xi'an Jiaotong – Liverpool University**11/2020 – 06/2021**

- Arranged books and assisted management in the library
- Helped with daily close of the library

Assistant, Sports Centre, Xi'an Jiaotong – Liverpool University**09/2020 – 01/2021**

- Assisted management at specific venues, for example checking admission tickets and participants' behaviors
- Helped with daily close of the gym

COMPUTER & LANGUAGE SKILLS

- Certificates: Full CIP and Partial CEng
- Proficient: Java (Java Spring Boot), Linux System, Python, and MySQL; and Microsoft Office
- Role: Student Member of IEEE
- Language: Fluent Academic English, Native Chinese, and Little Simple Japanese