

## Shijie Wang

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### EDUCATION

**MPhil Computing, The Hong Kong Polytechnic University**

Hong Kong

**Research in GNNs and Recsys**

08/2022–Present

**BSc Information and Computing Science, University of Liverpool**

Liverpool, UK

**Grade:** First Class

09/2018–07/2022

### WORK EXPERIENCE

**The Hong Kong Polytechnic University**

08/2022–Present

*Research Assistant*

*Computing Department*

- Towards interactions between adversarial robustness and fairness for trustworthy graph neural networks;
- Algorithm implementation and paper writing.

**Qibei Smart City Big Data Technology**

07/2020–08/2020

*Software Development Engineer*

*Software Development Department*

- Completed development, testing and maintenance tasks in accordance with the design documentation and as stipulated;
- Carried out the code writing and testing work in accordance with the company's procedures, standards and specifications;
- Assisted in the software development process by maintaining the database, analyzing and resolving data issues.

**Yinglink Technology (Beijing) Co., Ltd.**

07/2019–08/2019

*Computer Programmer*

*Software Development Department*

- Acquired knowledge of artificial intelligence's machine learning methods and algorithms;
- Realized artificial intelligence development programming;
- Assisted with the development of software and the maintenance of websites.

### RESEARCH WORK

**Autonomous Driving Simulator Development Project**

06/2021–08/2021

*Scrum Master*

*Supervisor: Shangbo Wang*

- Read papers selected by the supervisor and learned from two postgraduate seniors in related search disciplines;
- Assisted team members in implementing the algorithm in python, oversaw the project's primary development activity, led and insured the project's progress and completion ;
- Awarded a certificate from the school and an RMB2,000 scientific scholarship.

**Software Engineering Group Project**

03/2021–06/2021

*Scrum Master*

*Supervisor: Soon Phei. Tin*

- Divided the project into four sprints, applied Azure to distribute tasks and took care of programming and development;
- Communicated with group members, product owner and developers regularly to ensure the smooth progress of the project;
- Developed the Color Crush game successfully with group members within 12 weeks.

**Introduction to Networking: Large Efficient Flexible and Trusty Files Sharing**

10/2020–12/2020

*Individual Developer*

*Supervisor: Fei Cheng*

- Designed a framework for server-side and client-side integration, and implemented service functions including continuous file transmission, file encryption, data communication visualization and partial updates, Etc.;
- Learned the applications of TCP and UDP connections and enhanced the understanding of computer networks.

**Robot Design and Programming Learning Project**

11/2018–12/2018

*Programmer*

*Supervisor: Haining Liang*

- Collaborated with other group members to construct a Lego robot;
- Completed and tested the programming portion in order for the Lego robot to perform the two tasks of navigating through the maze and tracking the line.

### EXTRA-CURRICULAR ACTIVITIES

**InfoCo Club**

Jiangsu, China

*Member*

12/2018–Present

- Attend three computer language sessions given by seniors or teachers every week;
- Participated in the computer game design competition and offline activities of Google developers.

**Baseball Club**

Jiangsu, China

*Member*

10/2018–10/2020

- Contributed to the club's application for activities and competitions, as well as borrowing equipment and venues;
- Participated in the baseball competition organized by the club and summarized the experience following the competition;
- Assisted in daily affairs within the club and interacted with other clubs in order to facilitate cooperation.

### OTHERS

- ♦ Language: English (Fluent); Chinese (Native)
- ♦ IT Skills: C++, Java, JS, Assembly and Python Programming, Deep Learning, Machine Learning, Reinforcement Learning
- ♦ Software: Adobe Premiere, Adobe PhotoShop, Pycharm, Eclipse, Notepad++, MATLAB, Visual Studio, IntelliJ Ideal, Netbeans, Mysql
- ♦ Hobbies: Programming, Software Development, Video Editing, Writing, Guitar, Frisbee, Movies, Music