

# ZIQI HAN

Personal Page: <https://han-ziqi.github.io>

GitHub: <https://github.com/han-ziqi>

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## PERSONAL PROFILE

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Recent graduate MSc in Advanced Computer Science with Merit from the University of Liverpool. I became a Teaching Assistant at the UoL, during 2 academic semesters involved in 4 undergraduate modules (HE Level 4-5) in total 93 hours, supported the studies for over 100 students and gain professional recognition as AFHEA. With professional python programming skills and a background in machine learning and data science projects, I look forward to efficiently supporting the students' success.

## EDUCATION EXPERIENCE

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### Advanced Computer Science, MSc.

Sep 2021 – Dec 2022

- Obtained Degree: Merit
- University of Liverpool, Liverpool, U.K
- Core modules: Knowledge Representation, Optimisation, Multi-Agent Systems etc.  
*Data mining and Visualisation*: A general module on current data mining problems and research, including clustering and classification algorithms, visualization tools, web mining and ranking functions, etc.  
*Machine Learning and Bioinspired Optimisation*: starts with a bionic adaptive method, then goes on deep neural networks, multi-agent reinforcement learning, swarm intelligence, evolutionary game theory etc. Give us a deeper understanding of state-of-the-art systems
- Dissertation: Relative overgeneralisation in cooperative multi-agent tasks (a Research Python project in Multi-agent Reinforcement Learning). You can see more details in the portfolio on my personal website.

### Software Engineering, B.S.

Sep 2015 – Jul 2019

- Weighted Average Degree: 83% (equal to 2:1 in UK classification)
- Shanxi Agricultural University (SXAU), Shanxi, China
- Modules: **Basic knowledges** including Data structures, Object Oriented Programming, Software Project Management, Computer Network, etc. **Frontend and Backend web development** including The Basis of Webpage design (HTML+CSS+DIV), Spring, Maven, JSP, query, Mybatis+JDBC etc.

## SKILLS

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**Technical:** Python, Java and JavaScript, PyTorch in ML, full stack development (Html, CSS, Spring), MySQL database, software project management, agile programming, UML modelling, Object-Oriented programming, GitHub.

**Software:** PyCharm, Visual Studio 2019, Adobe Photoshop, Final Cut Pro, Microsoft Word, Excel, PowerPoint.

**Communication:** English (Advanced), Chinese-Mandarin (Native), Chinese-Cantonese (Understandable)

## PROFESSIONAL EXPERIENCE

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### Student Demonstrator

University of Liverpool

Oct 2021 - May 2022

A Teaching Assistant job in demonstration, assert students work and lead lab sessions in the following modules:

- Modules: COMP101, COMP207, COMP124, COMP220.
- HE Level: 4-5 FHEQ
- Duties and responsibilities: Prepare the content, Leading the Lab sessions, Assistance, evaluation of student program coding. Please view the Teaching page on my personal website for more details.

**IELTS Teaching Assistant****New Oriental Education Group Inc.****Jul 2021 - Sep 2021**

A CEFR B2 level teaching assistant at one of the most well-known English language training institutions in China, daily routine including:

- Coordinate and communicate with classroom teachers.
- Coaching students to improve their English.
- Assisting and leading IELTS mock tests

**Technology developer****Shanxi Noyun Information Technology Co.****Dec 2020 – Jan 2021**

An internship in a technology company, while developing a python project.

- Developed a Crawler for Data Collection and stored in the database (Python, SQL).
- A single run can store over 7,000 articles with separate storage of headlines, body text into a database plus visualisation such as word clouds.

**AWARDS AND HONORS**

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- Associate Fellow (AFHEA), Advance HE, UK, 2022
- Second-class Academic Scholarship (10%), SXAU, 2017
- Excellent League Member SXAU, China, 2017
- The National Encouragement Scholarship, China, 2016
- The Merit Student scholarship, SXAU, China, 2016
- First-class Academic Scholarship (5%), SXAU, China, 2016

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During my third and fourth year of undergraduate study, I worked with four to five students to develop the following three management systems based on Java EE technology. During my development as a team, I was mainly responsible for progress and documentation management, while also completing some of the back-end scripts. I organised regular team meetings to share progress and I also helped some students where I could. All these projects were finally completed and they all were licensed with Chinese software copyrights

- **Graduation Design Management System V1.0 of Software College**

License No.:2019SR0548303.

- **Logistics Management System V1.0**

License No.:2018SR550688.

- **Member Information Management System V1.0**

License No.: 2018SR579504.

**REFEREES**

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**Dr Stuart Thomason.**

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