Jinke He

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Education

University of Oxford   **Oxford, United Kingdom**
MSc Computer Science   Oct. 2018 - Oct. 2019 (expected)

University of Liverpool   **Liverpool, United Kingdom**
BSc Artificial Intelligence   Sep. 2016 - Jul. 2018
First Class Degree

Xi'an Jiaotong-Liverpool University (XJTLU)   **Suzhou, China**
BSc Information and Computing Science   Sep. 2014 - Jul. 2018
First Class Degree

Honors and Awards

University of Liverpool   **Liverpool, United Kingdom**

- **BCS Merseyside Prize**   Jul. 2018
  The BCS Merseyside Prize is awarded for the best student on a degree programme in the remit of the Board of Studies in Computer Science.
- **O'Reilly Academic Prize Scheme 2017**   Aug. 2017
  The O'Reilly Academic Prize for the best performance on COMP201 Software Engineering.
- **University Of Liverpool XJTLU scholarship (two years, £ 4,338 each year)**   Feb. 2017
  An international student, merited-based scholarship.

Xi'an Jiaotong-Liverpool University   **Suzhou, China**

- **Meritorious Winner (top 15%) of 2016 Interdisciplinary Contest In Modeling**   Apr. 2016
- **Second Prize Winner of The Eighth Mathematical Contest In Modeling of Xi'an Jiaotong-Liverpool University**   Dec. 2015
- **First Prize for the great performance in the social practice during the vacation of 2014-2015**   Sep. 2015
- **Certification for successfully completing the 24-hour Volunteer Work**   Sep. 2015
- **University Academic Excellence Award**   Aug. 2015
  The progression scholarship are awarded to XJTLU students for their outstanding academic performance in the previous academic year.

Experience

- Research Intern at **Latent Logic**, Oxford, UK   Jul. 2018 - Sep. 2018
- Participated in **2016 Interdisciplinary Contest In Modeling (ICM)**   Jan. 2016
- Participated in **The Eighth Mathematical Contest In Modeling of Xi'an Jiaotong-Liverpool University**   Dec. 2015
- Served as a voluntary teacher in **Nanhua Primary School, Yunnan Province**   Jun. 2015 - Jul. 2015
- Served as a member of academic department in **XJTLU Science Inovation Association**   Apr. 2015 - Sep. 2015
- Served as a volunteer in **XJTLU Youth Volunteers Association**   Sep. 2014 - Jun. 2015

Projects

- **Adaptive Traffic Light Control Through Deep Reinforcement Learning**   Sep. 2017 - May. 2018
  Using DQN/DRQN to adaptively control the traffic light of an intersection.
- **DQN_FlappyBird**   Jun. 2017
  Using Deep Q Learning algorithm to play the game Flappy Bird.
- **VitalScrapy**   Apr. 2017
  A spider that can automatically download study materials from vital website using Python and Scrapy library.
- **Arkanoid**   Mar. 2017
  A simple 3D game using JMonkeyEngine.
- **MRSYS.ONLINE**   Feb. 2017 - May. 2017
  A movie recommendation website using user-based collaborative filtering algorithm.
- **ChatRoom**   Nov. 2016
  A Client-Server Chat Room using Java socket.

Skills

Programming Languages
- Java ★★★★
- Python ★★★★⯪
- JavaScript ★★
- Prolog ★★

Frameworks
- Numpy ★★★⯪
- JMonkeyEngine ★★★★⯪
- Tensorflow ★★★
- Keras ★★★⯪
- Scrapy ★★

Environments & Tools
- Anaconda ★★★★
- Ubuntu ★★★
- Eclipse ★★★
- PyCharm ★★★⯪
- Git ★★

Additional Information

- **Languages:** Native Mandarin Chinese, Proficient English
- **GRE Score**: 170 (Quantitative Reasoning) and 153 (Verbal Reasoning) and 3.5 (Academic Writing)