

JINKE HE

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EDUCATION

Delft University of Technology, The Netherlands Doctor of Philosophy in Artificial Intelligence Supervisor: Prof. Frans A. Oliehoek	September 2019 - 2023 (expected)
University of Oxford, United Kingdom Master of Science in Computer Science Supervisor: Prof. Shimon Whiteson	September 2018 - September 2019 Distinction
University of Liverpool, United Kingdom Bachelor of Science in Artificial Intelligence	September 2016 - June 2018 First Class Degree
Xi'an Jiaotong-Liverpool University, China Bachelor of Science in Information and Computing Science	September 2014 - June 2016 First Class Degree

WORK EXPERIENCE

Latent Logic, Oxford (now part of Waymo) <i>Research Intern</i> Researched on neural network architecture search.	July 2018 - September 2018
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TEACHING AND SUPERVISION

Supervisor, Delft University of Technology Daniele Foffano, Master Thesis Topic: Robust Ensemble Adversarial Model-Based Reinforcement Learning	2020 - 2021
Teaching Assistant, Delft University of Technology Artificial Intelligence Techniques (IN4010), a master-level course	2020 - 2022

ACADEMIC ACTIVITIES AND SERVICES

The Machine Learning Summer School Max Planck Institute for Intelligent Systems, Tübingen, Germany	June 2020 - July 2020 Acceptance rate: 180/1300+
Conference Reviewer NeurIPS 2021, ICML 2022	

HONOURS AND AWARDS

Joint first place, The Pathways to Net Zero challenge https://rangl.org/blog/	March 2022
BCS Merseyside Prize, University of Liverpool <i>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.</i>	July 2018
O'Reilly Academic Prize Scheme 2017, University of Liverpool <i>The O'Reilly Academic Prize is for the best performance on COMP201 Software Engineering.</i>	August 2017
University of Liverpool XJTLU Scholarship (two years, £4,338 each year) <i>An international student, merited-based scholarship.</i>	February 2017
Meritorious Winner of 2016 Interdisciplinary Contest In Modeling <i>Top 18% among 5025 teams participated.</i>	April 2016

PUBLICATIONS

Influence-Augmented Local Simulators: A Scalable Solution for Fast Deep RL in Large Networked Systems

Miguel Suau, **Jinke He**, Matthijs TJ Spaan, Frans A Oliehoek.

International Conference on Machine Learning (ICML), 2022.

Robust Ensemble Adversarial Model-Based Reinforcement Learning

Daniele Foffano, **Jinke He** and Frans A. Oliehoek.

Adaptive and Learning Agents Workshop (ALA) at AAMAS, 2022.

Online Planning in POMDPs with Self-Improving Simulator

Jinke He, Miguel Suau, Hendrik Baier, Michael Kaisers, and Frans A. Oliehoek.

International Joint Conferences on Artificial Intelligence (IJCAI), 2022.

Influence-Augmented Online Planning for Complex Environments

Jinke He, Miguel Suau, Frans Oliehoek.

Conference on Neural Information Processing Systems (NeurIPS), 2020.

Multitask Soft Option Learning

Maximilian Igl, Andrew Gambardella, **Jinke He**, Nantas Nardelli, N. Siddharth, Wendelin Boehmer, Shimon Whiteson.

Conference on Uncertainty in Artificial Intelligence (UAI), 2020.

Influence-aware Memory Architectures for Deep Reinforcement Learning

Miguel Suau, **Jinke He**, Elena Congeduti, Rolf AN Starre, Aleksander Czechowski, Frans A Oliehoek.

arXiv preprint arXiv:1911.07643, 2019.

Soft Option Transfer

Jinke He, Maximilian Igl, Matthew Smith, Wendelin Boehmer, Shimon Whiteson.

Learning Transferable Skills Workshop at NeurIPS, 2019.