Yu-Zhe Shi

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Education

Huazhong University of Science and Technology. *2018 – 2022*, Wuhan, P. R. China.
ACM Honored Class in Computer Science and Engineering Program, thesis advisor: Dr. Yixin Zhu.

Career

Beijing Institute for General AI. *2021 – Present*, Beijing, P. R. China.
Intern Researcher, Computation and Commonsense Lab, with Drs. Yixin Zhu and Song-Chun Zhu.

Center for Vision, Cognition, Learning, and Autonomy, UCLA. *2021*, Los Angeles, CA.
Undergraduate Researcher, Computational Modeling, with Dr. Yixin Zhu.

Department of Computing, Imperial College London. *2020*, London, UK.
Undergraduate Researcher, Neuro-Symbolic Machine Learning, with Dr. Wang-Zhou Dai.

Selected Honors

Outstanding Undergraduate Researcher. *2021*, Ministry of Education, P. R. China.
For distinctive progress in investigating abduction, in 5 % of all candidates.

National Scholarship. *2019*, Ministry of Education, P. R. China.
For outstanding academic performances, in 0.2 % of all university students nationwide.

Services

Co-founder, Learners' Engieering and Research Network (LEARN Lab). *2019 – Present*, P. R. China.
LEARN is a platform for integrating resources for undergraduate research and engineering.

Microsoft Learn Student Ambassador. *2019 – Present*, Microsoft Research Asia, Beijing, P. R. China.
Co-organizing technical events with Microsoft Student Club.

Selected Invited Talks

Research Seminar. *2021*, Beijing Institute for General AI, Beijing, P. R. China.
A Rough Introduction to Abduction: Formulation, Cognitive Basis, and Potential Research Directions.

Machine Learning Seminar. *2020*, Imperial College London, London, UK.
Seminar: A Technical Tutorial on Program Synthesis.

Microsoft Learn Student Ambassadors Association. *2020*, Microsoft Research Asia, Beijing, P. R. China.
What is Abduction? A Comprehensive Review in Cognitive Sciences and AI.

Grants

National Undergraduate Innovation Grants. *2020 – 2022*, Ministry of Education, P. R. China.
Abduction-based Open-World Learning with Predicate Invention (No. 10487232), $3,138, Student PI.

Collaborators

Dr. Wang-Zhou Dai, Research Associate, Imperial College London, *Since 2019.*

Dr. Yixin Zhu, Director, Beijing Institute for General AI; Assistant Professor, Peking University, *Since 2021.*

Dr. Song-Chun Zhu, Chair, Beijing Institute for General AI; Professor, Peking University, *Since 2021.*

Dr. Josh Tenenbaum, Professor, MIT, *Since 2022.*