

# Yu-Zhe Shi

Email: [yu.zhe.s.shi@gmail.com](mailto:yu.zhe.s.shi@gmail.com) | Website: <https://yuzheshi.github.io/> | GitHub: <https://github.com/YuzheSHI>

## Education

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

## Career

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Beijing Institute for General Artificial Intelligence. *Sept. 2021 – Present*, Beijing, P. R. China.  
Intern Researcher at Computational Cognition and Commonsense Reasoning Lab, advisor: Dr. Yixin Zhu and Dr. Song-Chun Zhu.

Center for Vision, Cognition, Learning, and Autonomy, UCLA. *May 2021 – Sept. 2021*, Los Angeles, CA.  
Undergraduate Researcher in Computational Cognitive Modeling, advisor: Dr. Yixin Zhu.

Department of Computing, Imperial College London. *Feb. 2020 – Sept. 2020*, London, UK.  
Undergraduate Researcher, Neuro-Symbolic Reading Group, advisor: Dr. Wang-Zhou Dai.

## Selected Honors

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

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

## Services

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

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

## Selected Invited Talks

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

Neuro-Symbolic Reading Group. *July 2020*, Imperial College London, London, UK.  
*Seminar: A Technical Tutorial on Program Synthesis.*

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

## Grants

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

## Collaborators

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

Dr. Yixin Zhu, Research Director, Beijing Institute for General Artificial Intelligence, *Since May 2021*.

Dr. Song-Chun Zhu, Chair, Beijing Institute for General Artificial Intelligence, *Since Sept. 2021*.