Ziyao He (Mars He)

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PROFILE

Ziyao He (Mars He) is a PhD candidate of control science and engineering at Xi'an Jiaotong University. His research interests include human-AI cooperation, human-computer interaction and chabots. He is currently at iHCI-Lab led by Prof. Zhongmin Cai from Xi'an Jiaotong University and currently in cooperation with Prof. Shurui Zhou from University of Toronto for human-AI pair programming.

EDUCATION

Xi'an Jiaotong University, Xi'an, China - Bachelor's Degree on Material Science and Engineering and Bachelor's Degree on Finance, 2019

SKILLS

Proficiency in python programming, especially in machine learning related algorithms and modules, such as pytorch and keras. Some degree of mastery of C++ programming and SQL language, able to implement basic programming functions and front and back-end communication. Proficiency in statistical analysis tools such as SPSS, origin, etc.

Fluent in English, with some basic knowledge of German and Korean, and able to complete simple daily conversations.

PUBLISHED WORKS

[1] Ziyao He, Yunpeng Song, Shurui Zhou, Zhongmin Cai (2023). Interaction of Thoughts: Towards Mediating Task Assignment in Human-AI Cooperation with a Capability-Aware Shared Mental Model. In ACM CHI 2023.
[2] Bing Li, Ziyao He, Jiawei Zhao, Wentao Liu, Yangyang Feng, Jiangxuan Song (2020). Advanced Se_3P_4@C Anode with Exceptional Cycling Life for High Performance Potassium-Ion Batteries. Small, 16(6).