

KEYA HU

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EDUCATION

Shanghai Jiao Tong University(SJTU)

2021.9 - now

Bachelor of Computer Science, Zhiyuan College, ACM Honors Class

PREPRINT

Combining Induction and Transduction for Abstract Reasoning

Wen-Ding Li*, Keya Hu*, Carter Larsen, Yuqing Wu, Simon Alford, Caleb Woo, Spencer M. Dunn, Hao Tang, Wei-Long Zheng, Yewen Pu, Kevin Ellis

Under review of International Conference on Learning Representations(ICLR), 2025

Key words: Abstract Reasoning, Large Language Model, Data Generation

PUBLICATIONS

Code Repair with LLMs gives an Exploration-Exploitation Tradeoff

Hao Tang, Keya Hu, Jin Peng Zhou, Sicheng Zhong, Wei-Long Zheng, Xujie Si, Kevin Ellis *Annual Conference on Neural Information Processing Systems (NeurIPS), 2024*

Key words: Program Synthesis, Code Repair, Explore-exploit Tradeoff, Large Language Model

Contrastive Self-Supervised EEG Representation Learning for Emotion Classification

Keya Hu, Ren-Jie Dai, Wen-Tao Chen, Hao-Long Yin, Bao-Liang Lu, and Wei-Long Zheng *Annual Conference of the IEEE Engineering in Medicine and Biology Society(EMBC), 2024*

Key words: Self-supervised Learning, Electroencephalography (EEG), Affective Computing

RESEARCH EXPERIENCE

Visting Research Intern

2024.1- now

Recursion and Learning Lab, Cornell University, NY, United States

Advisor: Kevin Ellis

- Large Language Model for Program Synthesis, Abstraction Reasoning

Research Assistant

2023.9- 2024.7

Brain-like Computing and Machine Intelligence Lab, Shanghai Jiao Tong University, SH, China

Advisor: Wei-Long Zheng and Bao-Liang Lu

- EEG-Signal for Emotion Recognition, Self-Supervised Learning

TEACHING EXPERIENCE

Teaching Asissitant

Data Structures

2023 Spring

Teaching Asissitant

Programming Design

2022 Fall

AWARDS AND SCHOLARSHIPS

2024 China National Scholarship

Award for 0.2% student, the highest national-level scholarship.

2021, 2022, 2023, 2024 Zhiyuan Honors Scholarship

Award for top students majoring in science

2023 Longhu Scholarship

Award for top students majoring in Computer science