Changye Li

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antoinegg1

Summary

I am a junior undergraduate at Peking University (Class of '26), currently focused on Large Language Model, with a particular interest in learning algorithms and data. My research interests also cover Reinforcement Learning and mechanistic interpretability. My research is driven by the following questions:

- How can the gap between artificial intelligence and human-level intelligence be quantified through advanced AI system, and how can it be bridged using learning algorithms?
- How can the essence of intelligence be revealed through the modeling of AI system?

Education

Peking University *Sept 2022 – May 2026*
B.S. Student in Artificial Intelligence

Fellowships & Awards

Peking University Freshman Scholarship (¥25000 RMB)(2022)

Research Experience

Visiting Student Researcher at PAIR Lab: PKU Alignment and Interaction Research Lab *Peking, China 2023 –*

Currently working on Alignment and Interpretability of Language Models under the guidance from Dr. Yaodong Yang.

Publications

Language Models Resist Alignment,*Accepted at Neurips 2024 SoLar Program* Oct 2024
Jiaming Ji, Kaile Wang, Tianyi Qiu, Boyuan Chen, ***Changye Li***, Hantao Lou, Jiayi Zhou, Josef Dai, Yaodong Yang,

Towards efficient collaboration via graph modeling in reinforcement learning, *In Submission* August 2024
Wenzhe Fa, Zishun Yu, Chengdong Ma, ***Changye Li***, Yaodong Yang, Xinhua Zhang,

Projects

Sparse Autoencoder in Vision *antoinegg1/SAELens-V*

- Developed an sparse autoencoder (SAE) training repository based on jbloomAus/SAELens. Realizing the training and utilizing process of the SAE on vision language model. (eg.Llava, Chameleon)
- Tools Used: Python
- This project is expected to be used in an ongoing paper.

SUMON *antoinegg1/SUMON*

- A simplified traffic simulation program refers to eclipse-sumo/sumo, supports reinforcement learning and multi-agent training.
- Tools Used: Python, XML

- The project was applied in paper, **Towards efficient collaboration via graph modeling in reinforcement**.