

Xiangyu Hong

✉ hong-xy22@mails.tsinghua.edu.cn ☎ 155 5585 5586 🔗 <https://lilhongxy.github.io>
🌐 <https://github.com/lilhongxy>

Education

Tsinghua University *Sept 2022 – Present*
Undergraduate Student in Electronic Engineering
◦ GPA: 3.90/4.0

Research Interests

Interpretability of Large Language Models (LLMs)

Publications

Hong, Xiangyu*, Che Jiang*, Biqing Qi, Fandong Meng, Mo Yu, Bowen Zhou Oct 2024
and Jie Zhou. "On the token distance modeling ability of higher RoPE attention dimension." (EMNLP 2024 Findings).
Jiang, Che, Biqing Qi, **Xiangyu Hong**, Dayuan Fu, Yang Cheng, Fandong Meng, Mar 2024
Mo Yu, Bowen Zhou and Jie Zhou. "On Large Language Models' Hallucination with Regard to Known Facts." (NAACL 2024 Main).

Academic Experience

Research Intern *Tsinghua University, Department of Electronic Engineering, C3i Lab (led by Professor Bowen Zhou)* *Oct 2023 – Present*
◦ Focused on detecting hallucinations in large language models (LLMs), with an emphasis on the dynamics of reasoning when hallucinations occur
◦ Focused on long-text semantic modeling, with particular attention to the impact of rotary position encoding in enhancing LLM performance when processing long documents

Contest Experience

26th Hardware Design Contest of Tsinghua University, First Prize June 2023 – Sep 2023
Team Leader
◦ Combining LLMs with visual recognition models to present an intelligent companion through holographic projection.

Awards

-
- Tsinghua Spark Scientific and Technological Innovation Fellowship (1% in university)
 - Received funding from the Beijing Natural Science Foundation
 - Tsinghua University Comprehensive Excellence Scholarship - Qinxiao Scholarship
 - Tsinghua University Academic Excellence Scholarship

Extracurricular Activities and Skills

-
- **Languages:** Chinese (Native), English (TOEFL: 103, CET-4: 608)
 - **Programming Languages:** Python, C, C++, C#, MATLAB
 - **Extracurricular Roles:** Vice Captain of Popping Dance Team, Tsinghua University Street Dance Club; Deputy Team Leader, Department of the E.E. Student Union; Former Class Leader of W25 Class;