



Xiangyu Hong

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Education

Tsinghua University <i>Undergraduate Student in Electronic Engineering</i> <ul style="list-style-type: none">◦ GPA: 3.893/4.0	<i>Sept 2022 – Present</i>
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Research Interests

Interpretability of Large Language Models (LLMs)

Publications

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

Academic Experience

Research Intern <i>Tsinghua University, Department of Electronic Engineering, C3i Lab (led by Professor Bowen Zhou)</i> <ul style="list-style-type: none">◦ 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	<i>Oct 2023 – Present</i>
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Contest Experience

26th Hardware Design Contest of Tsinghua University, First Prize Team Leader <ul style="list-style-type: none">◦ Combining LLMs with visual recognition models to present an intelligent companion through holographic projection.	<i>June 2023 – Sep 2023</i>
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Awards

◦ Tsinghua Spark Scientific and Technological Innovation Fellowship (1% in university)	<i>June 2024 – Present</i>
◦ Received funding from the Beijing Natural Science Foundation	<i>Oct 2024</i>
◦ Tsinghua University Comprehensive Excellence Scholarship - Qinxiao Scholarship	<i>Oct 2024</i>
◦ Tsinghua University Academic Excellence Scholarship	<i>Oct 2023</i>

Extracurricular Activities and Skills

- **Languages:** Chinese (Native), English (TOEFL: 103)
- **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;