

郝宏坤

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🌐 领英主页

🐙 Github 主页

🔍 谷歌学术主页

🏠 <https://hongkunhao.github.io/>



研究兴趣

- 📌 大语言模型：多模态大语言模型，语音大语言模型，视频理解大语言模型等。
- 📌 自然语言处理：神经机器翻译，文本生成等。

教育背景

- 2022 年 9 月 – 2025 年 3 月 📌 硕士研究生，上海交通大学 计算机科学与技术
GPA: 3.92/4.00 导师：王瑞
- 2018 年 9 月 – 2022 年 6 月 📌 学士，上海交通大学 计算机科学与技术
学积分：91.7/100

实习经历

- 2024 年 1 月 – 至今 📌 字节跳动 电商部门，算法实习 中国，上海
主要内容：视频理解大模型在电商业务中的应用
- 2023 年 4 月 – 2023 年 11 月 📌 微软亚洲研究院 自然语言计算组，研究实习 中国，北京
研究主题：语音合成增强的大语言模型 导师：刘树杰、周龙
- 2021 年 12 月 – 2023 年 1 月 📌 腾讯 AI Lab 自然语言处理中心，研究实习 中国，深圳
研究主题：翻译记忆增强的神经机器翻译 导师：刘乐茂

论文

* 代表共同作者

会议论文

- 📌 Rethinking Translation Memory Augmented Neural Machine Translation [Paper] [Code]
Hongkun Hao, Guoping Huang, Lema Liu, Zhirui Zhang, Shuming Shi, Rui Wang
ACL 2023 Findings. (CCF-A)
- 📌 Penalty Decoding: Well Suppress the Self-Reinforcement Effect in Open-Ended Text Generation [Paper] [Code]
Wenhong Zhu, Hongkun Hao, Rui Wang
EMNLP 2023. (CCF-B)
- 📌 Q-Refine: A Perceptual Quality Refiner for AI-Generated Image [Paper][Code]
Chunyi Li, Haoning Wu, Zicheng Zhang, Hongkun Hao, Kaiwei Zhang, Lei Bai, Xiaohong Liu, Xiongkuo Min, Weisi Lin, Guangtao Zhai
ICME 2024. (CCF-B)

- **CLEAN-EVAL: Clean Evaluation on Contaminated Large Language Models** [Paper]
Wenhong Zhu, **Hongkun Hao**, Zhiwei He, Yunze Song, Yumeng Zhang, Hanxu Hu, Yiran Wei, Rui Wang, Hongyuan Lu
NAACL 2024 Findings. (CCF-B)

预印本

- **Boosting Large Language Model for Speech Synthesis: An Empirical Study** [Paper]
Hongkun Hao, Long Zhou, Shujie Liu, Jinyu Li, Shujie Hu, Rui Wang, Furu Wei
- **Can Watermarks Survive Translation? On the Cross-lingual Consistency of Text Watermark for Large Language Models** [Paper][Code][Home]
Zhiwei He*, Binglin Zhou*, **Hongkun Hao**, Aiwei Liu, Xing Wang, Zhaopeng Tu, Zhuosheng Zhang, Rui Wang
- **Is Cognition and Action Consistent or Not: Investigating Large Language Model's Personality** [Paper]
Yiming Ai, Zhiwei He, Ziyin Zhang, Wenhong Zhu, **Hongkun Hao**, Kai Yu, Lingjun Chen, Rui Wang
- **Improving Open-Ended Text Generation via Adaptive Decoding** [Paper][Code]
Wenhong Zhu, **Hongkun Hao**, Zhiwei He, Yiming Ai, Rui Wang
- **WavLLM: Towards Robust and Adaptive Speech Large Language Model** [Paper]
Shujie Hu, Long Zhou, Shujie Liu, Sanyuan Chen, **Hongkun Hao**, Jing Pan, Xunying Liu, Jinyu Li, Sunit Sivasankaran, Linqun Liu, Furu Wei

技能

- 编程语言 ■ Python, C/C++, SQL, Shell, LaTeX, ...
- 开源库 ■ PyTorch, fairseq, Transformers, NumPy, ...

服务

- 论文审稿 ■ ACL Rolling Review (2024), ICME (2024), EMNLP (2023), NLPCC (2022, 2023), CCL (2022, 2023)
- 课程助教 ■ 互联网信息抽取技术 (CS 3307, 上海交通大学, 2022 年秋季学期)

获奖情况

- 2023 ■ Optiver 卓越学生奖学金
- 2022 ■ 上海交通大学校级优秀毕业生
- 2019, 2020, 2021 ■ 上海交通大学学业优秀奖学金
- 2019 ■ 中国大学生数学竞赛一等奖

Hongkun Hao

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Research Interest

- 📌 **Large Language Model:** Multi-modal Large Language Models, Speech Large Language Models, Video Understanding Large Language Models, etc.
- 📌 **Natural Language Processing:** Neural Machine Translation, Open-Ended Text Generation, etc.

Education

- 2022.09 – 2025.03 📌 **Master of Engineer, Shanghai Jiao Tong University** Computer Science.
GPA: 3.92/4.00 Supervisor: Rui Wang
- 2018.09 – 2022.06 📌 **Bachelor of Engineer, Shanghai Jiao Tong University** Computer Science.
GPA: 91.7/100

Internship

- 2024.01 – present 📌 **ByteDance** E-Commerce Group, Machine Learning Engineer Intern
Shanghai, China
Topic: application of video understanding large language models in e-commerce business.
- 2023.04 – 2023.11 📌 **Microsoft Research Asia** Natural Language Computing Group, Research Intern
Beijing, China. Mentors: Long Zhou and Shujie Liu
Topic: Boosting Large Language Model for Speech Synthesis
- 2021.12 – 2023.01 📌 **Tencent AI Lab** Natural Language Processing Center, Research Intern
Shenzhen, China. Mentor: Lemao Liu
Topic: Rethinking Translation Memory Augmented Neural Machine Translation

Publications

* denotes co-first authors

Conference Proceedings

- 📌 **Rethinking Translation Memory Augmented Neural Machine Translation** [Paper] [Code]
Hongkun Hao, Guoping Huang, Lemao Liu, Zhirui Zhang, Shuming Shi, Rui Wang
In *Findings of the 61st Annual Meeting of the Association for Computational Linguistics*. **ACL 2023**.
- 📌 **Penalty Decoding: Well Suppress the Self-Reinforcement Effect in Open-Ended Text Generation** [Paper] [Code]
Wenhong Zhu, **Hongkun Hao**, Rui Wang
In *Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing*. **EMNLP 2023**.
- 📌 **Q-Refine: A Perceptual Quality Refiner for AI-Generated Image** [Paper][Code]
Chunyi Li, Haoning Wu, Zicheng Zhang, **Hongkun Hao**, Kaiwei Zhang, Lei Bai, Xiaohong Liu, Xiongkuo Min, Weisi Lin, Guangtao Zhai
In *the 2024 IEEE International Conference on Multimedia and Expo*. **ICME 2024**.

- **CLEAN-EVAL: Clean Evaluation on Contaminated Large Language Models** [Paper]
Wenhong Zhu, **Hongkun Hao**, Zhiwei He, Yunze Song, Yumeng Zhang, Hanxu Hu, Yiran Wei, Rui Wang, Hongyuan Lu
In *Findings of the 2024 Annual Conference of the North American Chapter of the Association for Computational Linguistics. NAACL 2024*.

Preprints

- **Boosting Large Language Model for Speech Synthesis: An Empirical Study** [Paper]
Hongkun Hao, Long Zhou, Shujie Liu, Jinyu Li, Shujie Hu, Rui Wang, Furu Wei
- **Can Watermarks Survive Translation? On the Cross-lingual Consistency of Text Watermark for Large Language Models** [Paper][Code][Home]
Zhiwei He*, Binglin Zhou*, **Hongkun Hao**, Aiwei Liu, Xing Wang, Zhaopeng Tu, Zhuosheng Zhang, Rui Wang
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- **Improving Open-Ended Text Generation via Adaptive Decoding** [Paper][Code]
Wenhong Zhu, **Hongkun Hao**, Zhiwei He, Yiming Ai, Rui Wang
- **WavLLM: Towards Robust and Adaptive Speech Large Language Model** [Paper]
Shujie Hu, Long Zhou, Shujie Liu, Sanyuan Chen, **Hongkun Hao**, Jing Pan, Xunying Liu, Jinyu Li, Sunit Sivasankaran, Linquan Liu, Furu Wei

Skills

Programming Languages ■ Python, C/C++, SQL, Shell, LaTeX, ...

Packages ■ PyTorch, fairseq, Transformers, NumPy, ...

Services

Reviewer ■ ACL Rolling Review (2024), ICME (2024), EMNLP (2023), NLPCC (2022, 2023), CCL (2022, 2023)

Teaching Assistant ■ Internet-based Information Extraction Technologies (CS 3307 at SJTU, Fall 2022)

Honors and Awards

2023 ■ Optiver Excellent Student Scholarship

2022 ■ Best Bachelor Thesis Award
Shanghai Jiao Tong University Outstanding Graduates

2019, 2020, 2021 ■ Academic Excellence Scholarship

2019 ■ The first prize of Mathematics Competition of Chinese College Student