

# Haolin Deng

✉ [hldeng028@gmail.com](mailto:hldeng028@gmail.com)   [🏠 Homepage](#)   [🐙 Github](#)   [🎓 Google Scholar](#)

## RESEARCH INTERESTS

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### Natural Language Processing; Machine Learning

I am currently working on grounding and evaluating large language models in complex real-world applications. I have also worked in the following areas: *retrieval-augmented generation; text summarization; information extraction; dialog generation; commonsense reasoning.*

## EDUCATION

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<b>Harbin Institute of Technology, Shenzhen, China</b> Master of Science in Computer Science and Technology, supervised by Prof. Ruifeng Xu.	2022.9-present
<b>Harbin Institute of Technology, Shenzhen, China</b> Bachelor of Engineering in Computer Science and Technology	2018.9-2022.6
<b>University of California, Berkeley, US</b> Visiting student	2019.6-2019.8

## EXPERIENCE

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<b>WeChat Web search team, Tencent</b> <i>Research Intern</i> <ul style="list-style-type: none"><li>Exploring the potential of AI search engine driven by large language models.</li></ul>	2024.3-present
<b>QB research team, Tencent</b> <i>Research Intern</i> <ul style="list-style-type: none"><li>Explored the potential of AI search engine driven by large language models.</li><li>One long paper on attributed language models accepted to ACL 2024 main conference.</li><li>Participated in improving the detection of time-sensitive user queries in QQ Browser.</li></ul>	2023.5-2024.3
<b>QB research team, Tencent</b> <i>Research Intern</i> <ul style="list-style-type: none"><li>Explored algorithms for automatically extracting event threads for trending news.</li><li>One long paper on open event extraction accepted to EMNLP 2022 main conference.</li></ul>	2022.3-2022.6

## PUBLICATION

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### In Conference Proceedings

- Haolin Deng**, Chang Wang, Xin Li, Dezhong Yuan, Junlang Zhan, Tianhua Zhou, Jin Ma, Jun Gao, Ruifeng Xu. WebCiteS: Attributed Query-Focused Summarization on Chinese Web Search Results with Citations. Accepted to *the 62nd Annual Meeting of the Association for Computational Linguistics (ACL)*, 2024.
- Haolin Deng**, Yanan Zhang, Yangfan Zhang, Wangyang Ying, Changlong Yu, Jun Gao, Wei Wang, Xiaoling Bai, Nan Yang, Jin Ma, Xiang Chen, and Tianhua Zhou. Title2Event: Benchmarking Open Event Extraction with a Large-scale Chinese Title Dataset. In *Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 2022.
- Jun Gao, Yuhan Liu, **Haolin Deng**, Wei Wang, Yu Cao, Jiachen Du, and Ruifeng Xu. Improving Empathetic Response Generation by Recognizing Emotion Cause in Conversations. In *Findings of the Association for Computational Linguistics: EMNLP*, 2021.

## SKILLS

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**Programming**   Python, PyTorch, C, C++

**English**   TOEFL 106/120

## AWARDS

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First prize in Annual University Academic Scholarship, HITSZ	2022-2023
2nd place in Shenzhen Invitational Debate Tournament for College Students	2022
Special Prize in 2020 National English Competition for College Students	2020

## ACADEMIC SERVICE

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**Reviewer** ACL-ARR (2023, 2024)

## TEACHING

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Teaching assistant for undergraduate course <i>Computer Program Design</i> , HITSZ	2023 spring
Teaching assistant for undergraduate course <i>Foundations of Data Science</i> , HITSZ	2021 spring