

Ziqing Huang

☎ +86 188-1000-7173 ✉ hzq001227@gmail.com 🏠 ziqing-huang.github.io

Education

- ◇ **B. Eng. in Computer Science and Technology, Tsinghua University** Aug. 2019 - Present
 - [Yao Class, Institute for Interdisciplinary Information Sciences \(IIIS\)](#), led by Prof. [Andrew Yao](#)
 - GPA: 3.96/4, Rank: 7/94

Research Experience

- ◇ Tsinghua University Sep. 2022 - Present
Advisor: Prof. [Zhilin Yang](#)
 - Research topic: HTML generation.
 - We used language models to generate web pages from natural language, using different levels of inputs, such as the content on the page and the description of the style.
- ◇ Princeton University Feb. 2022 - Jan. 2023
Advisor: Prof. [Danqi Chen](#)
 - Research topic: information retrieval.
 - We widely explored the generalization ability of BM25 and dense retrieval methods.
 - We proposed corpus poisoning attacks on retrieval. We show that by inserting a limited number of passages into the corpus we can mislead the retrievers to retrieve them.
- ◇ Tsinghua University Aug. 2021 - Feb. 2022
Advisors: Prof. [Zhiyuan Liu](#) (Tsinghua University), Prof. [Chenyan Xiong](#) (Microsoft Research)
 - Research topic: information retrieval.
 - We built a strong baseline on MS MARCO passage retrieval task based on ANCE and OpenMatch.
 - We used a memory bank to include more negative samples in a single batch to improve retrieval performance with an affordable batch size.

Honors and Awards

- ◇ [Yao Award](#), Recognition Prize | IIIS, Tsinghua University 2022
- ◇ Academic Excellence Award | Tsinghua University 2022
- ◇ Social Work Excellence Award | Tsinghua University 2022
- ◇ Outstanding Student Leaders | Tsinghua University 2021, 2022
- ◇ Four-Star Zijing Volunteer | Tsinghua University 2021
- ◇ Comprehensive Excellence Award | Tsinghua University 2020, 2021
- ◇ First-Class Scholarship for Freshmen | Tsinghua University 2019
- ◇ First Place in the National College Entrance Examination (Science) | Beijing, China 2019

Extracurricular Activities

- ◇ Vice President of the Student Union | IIIS, Tsinghua University Oct. 2021 - Present
- ◇ Leader of IIIS Tennis Club | IIIS, Tsinghua University Mar. 2022 - Present
- ◇ Member of the Student Union | IIIS, Tsinghua University Sep. 2020 - Oct. 2021
- ◇ Class Leader | Yao Class 92, IIIS, Tsinghua University Sep. 2020 - Sep. 2021

Skills

- ◇ **Language Abilities:** Chinese (Native), English (Proficient), Japanese (Basic)
- ◇ **Computer Skills:** C/C++, Python, \LaTeX , Markdown