

Junhao Chen

✉ chenjunh22@mails.tsinghua.edu.cn

☎ +86 17806712590

🌐 junhoo-chen.github.io

Education

Bachelor of Engineering in Computer Science

Bachelor's degree program

Tsinghua University

Sep 2022 – Present

Courses Taken: Foundation of Object-Oriented Programming, Data Structure and Algorithms, Introduction to Computer Systems, Introduction to AI, Software Engineering, Deep Reinforcement Learning, etc.

GPA Score: 3.97/4.00

Publications/Preprints

(Preprint) **MADFormer: Mixed Autoregressive and Diffusion Transformers for Continuous Image Generation**

Junhao Chen, Yulia Tsvetkov, Xiaochuang Han

[Arxiv](#)/[Code](#)

(Preprint) **States Hidden in Hidden States: LLMs Emerge Discrete State Representations Implicitly**

Junhao Chen, Shengding Hu, Zhiyuan Liu*, Maosong Sun*

[Arxiv](#) (* Corresponding Author)

(ACL 2024) **InfiniteBench: Extending Long Context Evaluation Beyond 100K Tokens**

Xinrong Zhang, Yingfa Chen, Shengding Hu, Zihang Xu, **Junhao Chen**, Moo Khai Hao, Xu Han, Zhen Leng Thai, Shuo Wang, Zhiyuan Liu*, Maosong Sun*

[Arxiv](#)/[Code](#) (* Corresponding Author)

Research Experience

IAR Lab, Tsinghua University

Research Assistant

November 2022 - March 2023

Advisor: Prof. [Hua Xu](#)

- Participate in multi-modal model structure design

NLP Lab, Tsinghua University

Research Assistant

April 2023 - Present

Advisor: Prof. [Zhiyuan Liu](#)

- Participate in designing and construction of the first super long context (100k+) benchmark. **Paper has been accepted by ACL 2024.**
- Lead research on model interpretability.
- Co-lead research on instruction tuning dataset design and construction.

QiYuan Lab, China

Research Assistant

June 2024 - Present

Advisor: Prof. [Zhiyuan Liu](#)

- Participate in exploration of Linear Transformers, focusing on benchmarking and kernel function exploring.

UWNLP Lab, University of Washington

Research Assistant

June 2024 - Present

Advisor: Prof. [Yulia Tsvetkov](#)

- Lead research on Autoregressive Image Generation, focusing on model structure and training of fused AR-Diffusion models. **Paper has been submitted to NeurIPS 2025 as first author.**

Technical skills

Programming Languages	C, C++, Python, Javascript, HTML, CSS Fluent in English: TOEFL 115, CPE Grade A
-----------------------	--

Selected Awards

National Scholarship (Top 0.2%, Highest Honor for undergraduates in China)	2023
Tsinghua University Comprehensive Excellence Scholarship (Top 5% undergraduates)	2023, 2024
Song Qingling Scholarship (Top 0.1%, Highest Honor for students in Guangdong Province)	2021

Social Work Experience

Tsinghua University Students' Union <i>Department of Learning and Career Development, Leader</i> <ul style="list-style-type: none">Organizing activities associated with learning and undergraduate career developmentDepartment internal coordination	January 2024 – Present
Shenzhen Middle School Space Station (Alumni Organization) <i>Founder</i> <ul style="list-style-type: none">Maintaining strong connections and cooperation with alma materNetworking with alumni and relevant communitiesOrganizing online/offline activities for high school and university students	November 2022 – Present
Campus Online: Student Management Organization (Student Organization) <i>Founder</i> <ul style="list-style-type: none">Responsible for the development, operation, and continuous improvement of the COSMO Smart Campus Platform at Shenzhen Middle School, including projects such as mutual help on campus, themed club seasons, and campus paper website, etc.	February 2021 – June 2022