

# Junhao Chen

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## 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

### 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, the University of Washington

Research Assistant

June 2024 - June 2025

**Advisor:** Prof. [Yulia Tsvetkov](#)

- Lead research on Autoregressive Image Generation, focusing on model structure and training of fused AR-Diffusion models. **Paper will be submitted to ICLR 2026 as first author.**

### XLANG Lab, the University of Hong Kong

Research Assistant

March 2025 - Present

**Advisor:** Prof. [Tao Yu](#)

- Co-Lead research on scaling embodied instruction following of Vision-Language-Action models for general robot control.

Technical skills

Programming Languages	C, C++, Python, Javascript, HTML, CSS, System Verilog, Java, Rust Fluent in English: TOEFL 115, CPE Grade A
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Selected Awards

National Scholarship (Top 0.2%, Highest Honor for undergraduates in China)	2023
National Scholarship (Top 0.2%, Highest Honor for undergraduates in China)	2025
Tsinghua University Comprehensive Excellence Scholarship (Top 5% undergraduates)	2023
Tsinghua University Comprehensive Excellence Scholarship (Top 5% undergraduates)	2024
Tsinghua University Comprehensive Excellence Scholarship (Top 5% undergraduates)	2025
Song Qingling Scholarship (Top 0.1%, Highest Honor for students in Guangdong Province)	2021

Social Work Experience

<b>Tsinghua University Students' Union</b> <i>Department of Learning and Career Development, Leader</i> <ul style="list-style-type: none"><li>Organizing activities associated with learning and undergraduate career development</li><li>Department internal coordination</li></ul>	<i>January 2024 – Present</i>
<b>Shenzhen Middle School Space Station (Alumni Organization)</b> <i>Founder</i> <ul style="list-style-type: none"><li>Maintaining strong connections and cooperation with alma mater</li><li>Networking with alumni and relevant communities</li><li>Organizing online/offline activities for high school and university students</li></ul>	<i>November 2022 – Present</i>
<b>Campus Online: Student Management Organization (Student Organization)</b> <i>Founder</i> <ul style="list-style-type: none"><li>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.</li></ul>	<i>February 2021 – June 2022</i>