Zheyu Zhang — Curriculum Vitae

Program: Computer Science Ph.D

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Education

Yao Class, IIIS, Tsinghua University   **Beijing, China**
Bachelor of Engineering in Computer Science   *Sep 2020–Jul 2024*

Zheyu ranked **2nd** place at **National Olympiad in Informatics**, leading to his admission to Yao Class.
GPA 3.95/4.00 (1st/23) (5th/76). Zheyu achieved **Yao Award (Bronze Medal)**.

MIT-IBM Watson Lab, Massachusetts Institute of Technology   **Boston, US**
Visiting student   *Feb 2023–Aug 2023*

Advised by Prof. Joshua B. Tenenbaum and Prof. Chuang Gan.
Oct 2022–Jan 2023 (remote), Feb 2023–Aug 2023 (on site), Sept 2023–now (remote).

Research (*denotes equal contribution)

Zheyu is interested in the fundamental mechanisms for building general intelligence. He believes that the future of AI should be flexible, reusable, and helpful to humans. Currently, Zheyu aims to enhance foundational models, such as the Large Language Model, both for wider use and for better assistance.

- *Oct 2021–Jan 2023*. **ADL Group @IIIS**, Tsinghua University.
- *Oct 2022–now*. **MIT-IBM Watson Lab**, Massachusetts Institute of Technology.
- *Nov 2023–Now*. **Tsinghua Embodied AI Lab**, Tsinghua University.

Autonomous Tree-search Ability of Large Language Models
Zheyu Zhang, Zhuorui Ye, Yikang Shen, Chuang Gan   *Submitted to ICLR 2024*

Unbiased Gradient Boosting Decision Tree with Unbiased Feature Importance
Zheyu Zhang*, Tianping Zhang*, Jian Li   *IJCAI 2023*
Zheyu Zhang delivered a **presentation** at the conference in August 2023.

OpenFE: Automated Feature Generation beyond Expert-level Performance
Tianping Zhang, Zheyu Zhang, Zhiyuan Fan, Haoyan Luo, Fengyuan Liu, Qian Liu, Wei Cao, Jian Li   *ICML 2023*

ModuleFormer: Learning Modular Large Language Models From Uncurated Data
Yikang Shen, Zheyu Zhang, Tianyou Cao, Shawn Tan, Zhenfang Chen, Chuang Gan   *arXiv preprint*

Selected Honors

Yao Award (Bronze Medal)   **Beijing, China**
Top 9 of 76, Yao Class   *2023*

Annual General Excellence Award   **Beijing, China**
Annual, Top 20%, Yao Class   *2022*

Annual General Excellence Award   **Beijing, China**
Annual, Top 20%, Yao Class   *2021*

Selected Awards

China Collegiate Programming Contest Final Gold Medalist, 1st place   **Hangzhou, China**
Online trio-teamed programming contest   *2022*

ICPC Asia-East Continent Final Contest Gold Medalist, 5th place   **Xi'an, China**
Trio-teamed programming contest   *2022*

ICPC Asia Macau Regional Gold Medalist, 2nd place   **Beijing, China**
Online trio-teamed programming contest   *2022*

ICPC Asia Jinan Regional Gold Medalist, 3rd place   **Beijing, China**
Online trio-teamed programming contest   *2021*

ICPC Asia Jinan Regional Gold Medalist, 1st place   **Beijing, China**
Online trio-teamed programming contest   *2020*

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National Olympics in Information (China) Gold Medalist, 2nd place   **Guangzhou, China**
Top 50 go in national training team with automatic college admission   *2019*

National Olympics in Information (China) Gold Medalist, 9th place   **Changsha, China**
Top 50 go in national training team with automatic college admission   *2018*

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HackPKU 2021, 1st place   **Beijing, China**
Hackathon held by Peking University   *2021*

Baidu Astar Programming Contest, 1st place   **Beijing, China**
                                                                                           2019

Baidu Astar Programming Contest, 2nd place   **Beijing, China**
                                                                                           2018

Language and Skills

○ Chinese as native language, advanced English with 102 in TOEFL MyBest Scores.
○ Strong programming & development skills in python, C++.
○ Research experience in Machine Learning and Large Language Model.