Yiyang Du

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EDUCATION

Tsinghua University, Beijing, China   2021.9 - 2025.7 (estimated)
Undergraduate, Computer Science and Technology
CGPA: 3.98/4, rank: 1/177

The Experimental High School Attached To Beijing Normal University, Beijing, China   2018.9 - 2021.7

PUBLICATIONS

Model Composition for Multimodal Large Language Models   2024.2 preprint.
Chi Chen, **Yiyang Du***, Zheng Fang, Ziyue Wang, Fuwen Luo, Peng Li, Ming Yan, Ji Zhang, Fei Huang, Maosong Sun, Yang Liu (* indicates equal contribution)*

https://arxiv.org/abs/2402.12750

PROJECTS

Best EAM, *a web enterprise asset manage system with Next.js and Django*   2023.4 - 2023.6
Course team project for Software Engineering, responsible for team management, deployment and front-end dev

MiniDecaf, *a compiler from a small subset of C to RISC-V using Flex, Bison and C++*   2022.10 - 2022.12
Course project for Principles and Practice of Compiler Construction

Fancy News, *a news app on Android with Java*   2022.8 - 2022.9
Course project for Programing and Training

Checkers, *an online checkers game on Windows using Qt C++*   2022.8
Course project for Programing and Training

TuMou2022, *an intelligent agent programming game competition.*   2022.3 - 2022.5
Responsible for the back-end logic with C++ as a member of Student Association of Science and Technology

GirlsDay0, *a WeChat widget that displays students' best wishes on Girls' Day*   2022.3
Volunteer work for Girls Day

ContraGame, *a simple contra game using Win32 framework*   2021.11 - 2021.12
Course project for Programming Methodology

EXPERIENCES

Research Intern, Tsinghua AIR   2023.10-
· Supervised by Prof. Yang Liu
· Focus on multi-modal language models

Remote Research Intern, Stanford   2023 Summer
· Supervised by Prof. Diyi Yang
· Focus on multi-viewed generation for controversial topics

Algorithms Intern, DeepLang AI   2023.2 - 2023.7
· Focus on pre-train of large language models
· Have experience of data processing, model pre-train and fine-tune process
· Also have interests in techniques like MoE

Intelligent writing based on pre-trained model and other technologies   2022.11 - 2023.3
Academic Rising Star Program, Department of Computer Science and Technology, Tsinghua University

- Supervised by Prof. Maosong Sun
- Contribute to WantQuotes, a system that helps people retrieve sentences based on meaning, by conducting experiments and building the system

ACHIEVEMENTS

National Scholarship (2%), *Ministry of Education of P.R.C.*   *2023.11*

Comprehensive Outstanding Scholarship, *Tsinghua University*   *2023.11*

Champion of Beijing Division, *China International College Students' "Internet+" Innovation and Entrepreneurship Competition*   *2023.8*

National Scholarship (2%), *Ministry of Education of P.R.C.*   *2022.11*

Comprehensive Outstanding Scholarship, *Tsinghua University*   *2022.11*

Honorable Mention (20%), *2023 Mathematical Contest In Modeling*   *2023.2*

Third Prize, *the Challenger Cup 2023, Tsinghua University*   *2023.4*

First Prize, *2019 CSP-S Non-professional software capability certification(Equivalent to the original National Olympics of Information, Province(NOIp)), China Computer Federation*   *2019.11*

SKILLS & ABILITIES

Proficient in using C++, Python in scientific tasks

Deep learning libraries & frameworks: Megatron-LM, DeepSpeed, Hugging Face, etc.

High performance computing with CUDA

Front-end development with Next.js

Hardware design with VHDL

TOEFL iBT: 105 out of 120

DECLARATION

I hereby declare that all the details furnished above are true to the best of my knowledge and belief.