YINING HONG

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EDUCATION

Carnegie Mellon University Pittsburgh, PA, USA
Ph.D. in Software Engineering Aug. 2024 - Present

Tsinghua University Beijing, China
B.Eng. in Computer Science and B.Ec. in Economics & Finance Sept. 2020 - July 2024
- GPA: 3.91/4.00, Rank: 2/12.
- Thesis: A Reinforcement Learning Framework for Training and Testing in Asset Portfolio Optimization
- Advisor: Prof. Maosong Sun and Prof. Junliang Xing

PUBLICATIONS

1. Chenyang Yang, **Yining Hong**, Grace Lewis, Tongshuang Wu, Christian Kästner. "What Is Wrong with My Model? Identifying Systematic Problems with Semantic Data Slicing". In *JProceedings of the 39th IEEE/ACM International Conference on Automated Software Engineering (ASE)*, Los Alamitos, CA: IEEE Computer Society, November 2024.

2. **Yining Hong**, Fanchao Qi, Maosong Sun. "Two Heads Are Better Than One: Exploiting Both Sequence and Graph Models in AMR-To-Text Generation".

INTERNSHIPS

Advanced Micro Devices, Inc. (AMD) | Beijing, China Jan. 2024 - June 2024
- Accelerate FPGA-based deep learning compilers.

Kuangshi Technology Co., Ltd. (Megvii) | Beijing, China Sept. 2023 - Dec. 2023
- Work as a software engineer in the Autonomous Vehicles Department.
- Accelerate the trajectory prediction module utilizing C++ and ROS2.
- Collaborate with machine learning researchers and software engineers, redesign software modules to support neural network models.

AWARDS AND HONORS

- **Outstanding Graduate**, CST Department, Tsinghua University July 2024
- **Comprehensive Excellence Scholarship (top 10%)**, Tsinghua university Nov. 2023
- **Citadel Securities Scholarship**, Citadel Securities, Dec. 2022
- **Comprehensive Excellence Scholarship (top 10%)**, Tsinghua university Nov. 2022
- **Academic Excellence Scholarship (top 30%)**, Tsinghua university Nov. 2021
- **Sports Excellence Scholarship**, Tsinghua university Nov. 2021
- **First Prize**, National Olympiad in Informatics in Provinces Nov.2018
- **First Prize**, National Olympiad in Informatics in Provinces Nov.2017

SKILLS

Languages: Chinese, English.

Programming: C/C++, Python, Javascript/Typescript, Verilog/SystemVerilog, Solidity, Rust.

TEACHING EXPERIENCE

Center for Student Learning and Development, Tsinghua University Beijing, China
Volunteer Teaching Assistant (Outstanding Level) Mar. 2022 - July 2024
- Assisted students with coding; answered questions regarding computer science courses.
- Contributed over 300 hours of assistance to more than 150 students, receiving a 5.0/5.0 satisfaction rating.
- Recognized as an honored volunteer teaching assistant in fall 2022 and fall 2023.