

YINING HONG

(+1) 878-999-4752
yhong3@andrew.cmu.edu
<https://hynoo27.github.io>

EDUCATION	Carnegie Mellon University <i>Ph.D. in Software Engineering</i> Tsinghua University <i>B.Eng. in Computer Science and B.Ec. in Finance</i> <ul style="list-style-type: none">GPA: 3.91/4.00, Rank: 2/12.Thesis: A Reinforcement Learning Framework for Training and Testing in Asset Portfolio OptimizationAdvisor: Prof. Maosong Sun and Prof. Junliang Xing	Pittsburgh, PA, USA Aug. 2024 - Present Beijing, China Sept. 2020 - July 2024
PUBLICATIONS	<ol style="list-style-type: none">Chenyang Yang, Yining Hong, Grace Lewis, Tongshuang Wu, Christian Kästner. “What Is Wrong with My Model? Identifying Systematic Problems with Semantic Data Slicing”. In <i>Proceedings of the 39th IEEE/ACM International Conference on Automated Software Engineering (ASE)</i>, Los Alamitos, CA: IEEE Computer Society, November 2024.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 Accelerate FPGA-based deep learning compilers.	Jan. 2024 - June 2024
	Kuangshi Technology Co., Ltd. (Megvii) Beijing, China 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.	Sept. 2023 - Dec. 2023
AWARDS AND HONORS	<ul style="list-style-type: none">Outstanding Graduate, CST Department, Tsinghua UniversityComprehensive Excellence Scholarship (top 10%), Tsinghua universityCitadel Securities Scholarship, Citadel Securities,Comprehensive Excellence Scholarship (top 10%), Tsinghua universityAcademic Excellence Scholarship (top 30%), Tsinghua universitySports Excellence Scholarship, Tsinghua universityFirst Prize, National Olympiad in Informatics in ProvincesFirst Prize, National Olympiad in Informatics in Provinces	
		July 2024 Nov. 2023 Dec. 2022 Nov. 2022 Nov. 2021 Nov. 2021 Nov.2018 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 <i>Volunteer Teaching Assistant (Outstanding Level)</i> <ul style="list-style-type: none">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.	Beijing, China Mar. 2022 - July 2024