

# YINING HONG

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EDUCATION	<b>Carnegie Mellon University</b> <i>Ph.D. in Software Engineering</i> Pittsburgh, PA, USA Aug. 2024 - Present
	<b>Tsinghua University</b> <i>B.Eng. in Computer Science and B.Ec. in Economics &amp; Finance</i> Beijing, China Sept. 2020 - July 2024 <ul style="list-style-type: none"><li>GPA: 3.91/4.00, Rank: 2/12.</li><li>Thesis: A Reinforcement Learning Framework for Training and Testing in Asset Portfolio Optimization</li><li>Advisor: Prof. Maosong Sun and Prof. Junliang Xing</li></ul>
PUBLICATIONS	<ol style="list-style-type: none"><li>Chenyang Yang, <b>Yining Hong</b>, 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.</li><li><b>Yining Hong</b>, Fanchao Qi, Maosong Sun. “Two Heads Are Better Than One: Exploiting Both Sequence and Graph Models in AMR-To-Text Generation”.</li></ol>
INTERNSHIPS	<b>Advanced Micro Devices, Inc. (AMD)</b>   Beijing, China Jan. 2024 - June 2024 <ul style="list-style-type: none"><li>Accelerate FPGA-based deep learning compilers.</li></ul> <b>Kuangshi Technology Co., Ltd. (Megvii)</b>   Beijing, China Sept. 2023 - Dec. 2023 <ul style="list-style-type: none"><li>Work as a software engineer in the Autonomous Vehicles Department.</li><li>Accelerate the trajectory prediction module utilizing C++ and ROS2.</li><li>Collaborate with machine learning researchers and software engineers, redesign software modules to support neural network models.</li></ul>
AWARDS AND HONORS	<ul style="list-style-type: none"><li><b>Outstanding Graduate</b>, CST Department, Tsinghua University July 2024</li><li><b>Comprehensive Excellence Scholarship (top 10%)</b>, Tsinghua university Nov. 2023</li><li><b>Citadel Securities Scholarship</b>, Citadel Securities, Dec. 2022</li><li><b>Comprehensive Excellence Scholarship (top 10%)</b>, Tsinghua university Nov. 2022</li><li><b>Academic Excellence Scholarship (top 30%)</b>, Tsinghua university Nov. 2021</li><li><b>Sports Excellence Scholarship</b>, Tsinghua university Nov. 2021</li><li><b>First Prize</b>, National Olympiad in Informatics in Provinces Nov.2018</li><li><b>First Prize</b>, National Olympiad in Informatics in Provinces Nov.2017</li></ul>
SKILLS	<b>Languages:</b> Chinese, English. <b>Programming:</b> C/C++, Python, Javascript/Typescript, Verilog/SystemVerilog, Solidity, Rust.
TEACHING EXPERIENCE	<b>Center for Student Learning and Development, Tsinghua University</b> Beijing, China <i>Volunteer Teaching Assistant (Outstanding Level)</i> Mar. 2022 - July 2024 <ul style="list-style-type: none"><li>Assisted students with coding; answered questions regarding computer science courses.</li><li>Contributed over 300 hours of assistance to more than 150 students, receiving a 5.0/5.0 satisfaction rating.</li><li>Recognized as an honored volunteer teaching assistant in fall 2022 and fall 2023.</li></ul>