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Education

The Hong Kong University of Science and Technology, Hong Kong SAR, China   **Sept. 2022 – Sept.2026**
PhD. in Electronic & Comp Eng   **Hong Kong PhD Fellowship Scheme (HKPFS)**
GPA：3.72/4

Nanjing University, Nanjing, China   **Sept. 2018 - June 2022**
B.S. in Electronic Information Science and Technology with a Minor in Computer Science
GPA : **4.54/5.0**; **Ranking: 3/201**   Member of **Outstanding Engineer Class** in Nanjing University

MITxPRO Program   **Jan. 2021 -Mar. 2021**
Took the "Applying Machine Learning to Engineering and Science" course, and got **full marks.**

Experience

Alibaba DAMO Academy, Beijing,China   **June 2022 – Dec.2023**
- Research Intern at Computational Technology Laboratory, Mentor: *Sicheng Li,* Leader: *Prof.Yuan Xie*

The Hong Kong University of Science and Technology, Hong Kong SAR, China   **July 2021 – Dec. 2021**
- Research Intern at the Department of Electronic & Computer Engineering, *Advisor:Prof. Wei Zhang*

Publication

- H. Fan, **Y. Wang**, S. Li, T. Liang and W. Zhang, "Explainable Fuzzy Neural Network with Multi-Fidelity Reinforcement Learning for Micro-Architecture Design Space Exploration" 2024 Design Automation Conference (DAC '24).[Accepted]
- **Y. Wang**, H. Fan, S. Li, T. Liang and W. Zhang, "A Modular Branch Predictor Performance Analysis Framework for Fast Design Space Exploration." 2024 Design, Automation and Test in Europe Conference (DATE'24).
- H.Song, L.Xu, **Y.Wang**, M.Wang, Z.Wang, "HSViT: A Hardware and Software Collaborative Design for Vision Transformer via Multi-level Compression." 2024 IEEE International Symposium on Circuits and Systems (ISCAS '24).[Accepted]
- H. Song*, **Y. Wang***, M. Wang,and Z. Wang, "UCViT: Hardware-Friendly Vision Transformer via Unified Compression" 2022 IEEE International Symposium on Circuits and Systems (ISCAS), 2022

Teaching Assistant

- [ELEC 2350] Introduction to Computer Organization and Design, 2023 Spring
- [ELEC 3310] Digital Fundamentals and System Design, 2023 Fall

Student Helper

- International Conference on Field Programmable Technology 2022 (FPT'22), Hong Kong SAR
- EDAthon 2023, Hong Kong SAR

Prize and Awards

- **Hong Kong PhD Fellowship Scheme (HKPFS)**
- RedBrid Scholarship
- **National Scholarship** (Highest scholarship for Chinese undergraduates, 3 out of 204), 2020
- Puxin Elite Scholarship (1 out of 204, Reward outstanding talents in the field of integrated circuits) ,2021
- CETC The 14th Research Institute Guorui Scholarship, 2021
- People's Scholarship in Nanjing University, 2019&2020&2021
- Outstanding Student Cadre Model (only one selected in whole college, 1 out of 800) , 2021
- **Competitions Expert of Kaggle Competition** (top 1.7% in the world), two silver medals (top 5%) ,2021
- **Best Performance Awards of 2021 Xilinx Women in Technology (WIT) Hackathon**
- Second Prize in Final Contest at National Undergraduate IOT Design Contest, 2020; Grand Prize in the eastern China division (top 5% nationally)
- Honorable Mention in 2020 MCM
- Second prize in TI cup Jiangsu college students electronic design competition (Quadrotor aircraft), 2020

Skills

Programming Languages: Python, C/C++, Verilog, Chisel, Matlab, Latex
Framwroks: PyTorch, Keras, Chipyard, OpenCV