Xinyu Huang

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EDUCATION

The Hong Kong Polytechnic University Hong Kong SAR, China
Ph.D. in Computer Science *May 2024 – Present*
- **Supervisor:** Prof. Yuanqing Zheng

University of Electronic Science and Technology of China Chengdu, China
B.Eng. in Optoelectronic Information Science and Engineering *Sept. 2019 – Jun. 2023*
- **GPA:** 3.80/4.00

PUBLICATIONS

- Shen L., Yang, Q., **Huang, X.**, Ma, Z., & Zheng, Y., GPIoT: Tailoring Small Language Models for IoT Program Synthesis and Development, *The 23rd ACM Conference on Embedded Networked Sensor Systems (ACM SenSys 2025)*, May 6 - 9, 2025, Irvine, USA

- Wang, H., **Huang, X.**, & Wu, Y., GD3N: Detecting Selective Forwarding Attacks in Wireless Sensor Networks under Variable Harsh Environments. *Information Sciences (INS)*, 2024, 120375

- **Huang, X.**, Li, S., & Wu, Y., LSTM-NV: A Combined Scheme against Selective Forwarding Attack in Event-Driven Wireless Sensor Networks under Harsh Environments. *Engineering Applications of Artificial Intelligence (EAAI)*, 2023(123), 106441

- **Huang, X.**, & Wu, Y., Identify Selective Forwarding Using Danger Model: Promote the Detection Accuracy in Wireless Sensor Networks, *IEEE Sensors Journal (IEEE SensJ)*, 2022(10), 9997-10008

AWARDS & HONORS

- **Best Poster Award**, PolyU COMP - HKUST(GZ) INFH RPg Conference, Jun. 2025

- UESTC Honorable Graduates (**Top 7%**), Jun. 2023

- UESTC Outstanding Student Scholarship (**Top 10%**), 2020-2021 & 2021-2022

- American Mathematics Modeling Contest (MCM), **Meritorious Winner**, Mar. 2022

WORK EXPERIENCE

Chinasoft Clouds Co., Ltd. Guiyang, China
Data Operation and Maintenance Intern *Jun. 2021 – Aug. 2021*
- Through a collaborative partnership with Guizhou Province's Education Department, we formulated strategies for data visualization and platform architecture by employing advanced MySQL tools.

MEMBERSHIP

Institute of Electrical and Electronics Engineers (IEEE) New York, USA
Student Member *Apr. 2022 – Present*
Association for Computing Machinery (ACM) New York, USA
Student Member *Apr. 2024 – Present*

SKILLS

Programming: C/C++, Python, MATLAB, LaTeX, MySQL, HTML, Markdown, Verilog, VHDL

Languages: Mandarin (native), English (fluent, **IELTS 6.5**), Gan Yu (native), Cantonese (fluent)