Xinyu Huang

☎ +852 54485945 | @ xyhuang@ieee.org | ◉ Webpage | ⌨ GitHub | in LinkedIn | ⚲ Hong Kong

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

- 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)