

Justin Siu

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❖ [LinkedIn](#) ❖ [Personal Website](#) / [GitHub](#)

PERSONAL PROFILE

- Final-year Computer and Data Engineering student at City University of Hong Kong with hands-on experience in embedded systems, robotics, and AI-assisted engineering projects.
- Built practical industry experience through internships in cloud product support and STEM/robotics product development, with exposure to both technical implementation and cross-functional collaboration.
- Co-authored IEEE conference papers and received the IEEE ISEC 2025 Best Paper Award, demonstrating strong initiative in applied engineering research and innovation.

EDUCATION

City University of Hong Kong

Dec. 2026

BEng, Electrical Engineering, Major in Computer and Data Engineering

Hong Kong

- Dean's List - 2025 1st Semester.
- Final Year Project, CALAS
- Current GPA: 3.42 | Expected GPA: 3.52

Czech Technical University in Prague

Feb. 2025 – Jun. 2025

Student Exchange

Czech Republic

INTERNSHIP EXPERIENCE

China Mobile Hong Kong Company Limited

Jun. 2024 – Dec. 2024; Jul. 2025 – Oct. 2025

Intern (Product Centre – Cloud Product)

Hong Kong

- Supported the development and delivery of cloud-based education products.
- Gathered user feedback and contributed to iterative product improvement.
- Assisted in the coordination and execution of education seminars and outreach events.

Alphotronics

Feb. 2023 – Aug. 2023

Design Engineer Intern - Robotics and STEM Product Development

Hong Kong

- Led the **development of STEM product kits**, including a **robotic car and robotic arm with AI and computer vision**.
- Designed and prototyped **automated** robotic systems using embedded **AI** and **computer vision**.
- Designed accurate 3D models and animations using Blender3D for prototyping and 3D printing.
- Collaborated with cross-functional team members on product design, prototyping, and project execution.

PART-TIME JOB EXPERIENCE

AHKKPCM

Jul. 2021 – Jun. 2024

IT Technician

Hong Kong

- Configured and maintained network infrastructure and end-user devices.
- Performed hardware troubleshooting, maintenance, and software deployment.
- Provided on-site technical support to ensure smooth daily IT operations.

PUBLICATIONS

- Sum, K. C., Ng, K.-H., **Siu, S.-T.**, Chui, H.-Y., Au, C.-L., & Li, C. F.. AI Assisted Microcontroller Based Kits For STEM Education. 2024 IEEE Integrated STEM Education Conference (ISEC).
- Kam C. Sum, Gabriel K. Wong, **Siu, S.-T.**, Ho-Yin Chui, Cheuk-Lut Au , & Chiu F. Li. AI Machine Vision Based Robotic Arm For Pre-University Education. 2025 IEEE Integrated STEM Education Conference (ISEC).
- (Awarded Best Paper – Work-in-Progress Category)

AWARDS

- IEEE ISEC 2025 – Best Paper Award (Work-in-Progress Category)
- Genius Olympiad 2019 – Silver Award (Hong Kong Representative)
- Hong Kong Student Science Project Competition – Awards & Honorable Mention

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C++
- **Embedded & IoT Systems:** Arduino, Raspberry Pi, Bluetooth Low Energy (BLE), sensors
- **AI & Robotics:** Computer vision, AI-assisted sensing and control systems
- **Software & Tools:** Blender3D, Altium Designer, web development (Bootstrap), system debugging
- **Infrastructure & Systems:** Network administration, hardware maintenance

LANGUAGE PROFICIENCY LEVELS

Cantonese, Mandarin, English (IELTS Overall 7.5)

INTERESTS

- Intelligent embedded systems
- Robotics
- AI-assisted sensing and control
- Applied computer vision
- Internet of Things (IoT) systems
- STEM education