

SIEUN KIM

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EDUCATION

Hong Kong University of Science and Technology (HKUST)

The Bachelor of Engineering in Electronic Engineering

- Received Admission Scholarship.

Hong Kong

Aug 2021 - May 2025
[anticipated]

Hanoi International School (HIS)

International Baccalaureate Diploma Programme

- Received Academic Honor Award from Aug 2018 to May 2020

Hanoi, Vietnam

Aug 2018 - May 2021

WORK EXPERIENCE

Logitech

Research Project Leader

- Conducted in-depth market analysis and research strategies to successfully transition the **TrashTrack** concept into **B2B** and **B2C** environments, aligning with Logitech's business model to maximize market impact.

Hong Kong

Feb 2024 - Oct 2024

Neopets

Full Stack Software Developer (Summer Internship)

- Designed and developed an interactive, user-centric game using **HTML**, **CSS**, and **React.js**, enhancing user engagement through intuitive UI/UX design principles.
- Implemented a robust backend system leveraging **REST APIs** for efficient user data management, integrating **MongoDB** to ensure data persistence and reliability.
- Developed a secure user authentication framework utilizing **JWT** to enhance access control and protect sensitive user information, contributing to the overall security posture of the application.

Hong Kong

Jun 2024 - Aug 2024

AWARDS

Web3 Dev Asia

Researcher, Developer - First Runner-Up

- Innovative **TrashTrack** business concept, leveraging **big data**, **IoT**, and **ESG** principles through a comprehensive mobile application demo, while collaborating with Logitech HK, the US team, and V-cycle.

Hong Kong

Jan 2024 - Feb 2024

Cathay Hackathon

Product Owner, Developer - First Runner-Up, Best Presenter Award, and Best Low-Cost Travel Solution

- Utilized **Flutter** to create a cross-platform mobile application prototype within 24 hours, alongside implementing a **ChatGPT**-based recommendation system for personalized travel suggestions.
- Developed a data-driven mobile app for HK Express, focused on enriching the customer travel experience through cloud data integration.
- Communicated with HK Express by having regular meetings for application launching along with consultation of Google Hong Kong and Cathay Pacific.

Hong Kong

Sep 2023 - Jan 2024

EXTRACURRICULAR ACTIVITIES

HKUST USThings - Web Developer

- Designed the USThings website to facilitate convenient access to HKUST academic and campus systems, including features for the USThing interview technical test.

Hong Kong

Sep 2023 - Dec 2023

HKUST Robotics - Electrical Engineer

- Utilized KiCad's schematic and PCB editor to design an optimized PCB for robot motors, focusing on economic factors, component spacing, and noise reduction; recognized as a top electrical engineer for this achievement, demonstrating strong welding skills.

Hong Kong

Sep 2023 - Dec 2023

Project Great Lunar Expedition for Everyone (GLEE): Co Space Grant - NASA - Artemis

- Explored aerospace STEM by leading the hardware integration of LunaSat (mini satellite) with Arduino through 10 hands-on activities.
- Produced and shared 10 engaging videos on Instagram (@gleehkust) using Adobe Premiere Pro, highlighting essential sensors for small satellites and promoting lunar expedition initiatives

Hong Kong

May 2022 - May 2024

Undergraduate Research Opportunities Program (UROP) - AI-enhanced smart design, manufacturing and robot

- Conducted experiments to evaluate the accuracy of piezometer pads by analyzing demographic factors, including pressure distribution among the elderly.
- Utilized Python for real-time data extraction and analysis, applying machine learning techniques to enhance research outcomes.

Hong Kong

Feb 2023 - May 2023

2023 APRU Student Global Climate Change Simulation

- Led discussions on climate change causes with 160 undergraduate and graduate students, climate experts, and UN officials.

Hong Kong

Apr 2023 - May 2023

Building and Giving Out the Prosthetic Arm made out of 3D Printer

- Designed and built prosthetic arms for underprivileged individuals in collaboration with ENABLE, an international NGO that produces 3D-printed prosthetic medical devices, and donated the arms to Hanoi French Hospital.

Hanoi, Vietnam

May 2019 - Dec 2020

LANGUAGES, SKILLS

Languages: Korean (Native) / English (proficient)

Tools: Python, C/C++, HTML, CSS, JavaScript, TypeScript, React.js, Node.js, MongoDB, Microsoft Office, PowerPoint, Excel, Canva, Figma, iMovie, Adobe Premiere Pro, KiCad, TinkerCAD, MATLAB