Khoo Thien Zhi

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CAREER PROFILE

Penultimate Engineering student with a passion for solving business problems. Leveraging my engineering skills to bring innovative solutions to the business world, and my business acumen to excel in the engineering industry.

EDUCATION

Hong Kong University of Science and Technology, *Bachelor of Engineering*   [Sep 2022] – [June 2026]
- Major in Computer Engineering and Minor in Business (Year 3)
- Relevant Coursework: C++ Object-Oriented Programming/ Machine Learning & Data Mining / Image Analysis / Database Management System/ Operating Systems/ Embedded Systems/
- Fall exchange student at Technical University of Denmark   [Sep 2024] – [Jan 2025]

CODING PORTFOLIO   GitHub: https://github.com/Khootz/Portfolio

AI Camera for Object Detection
- Mobile app built with Computer Vision, OpenCV, TensorFlow, Kivy written in Python,

Stock Price Prediction AI
- Predicting biotech stocks using Machine learning, LSTM model, Pandas and Numpy

Web Scraping for Competitions
- Software for web scraping online data using BeautifulSoup4, Selenium, Algorithms in Python

Roulette Tracking Python App
- Algorithm for tracking statistical biases in Python, with focus on UI/UX design and user convenience

PROFESSIONAL EXPERIENCE

Gamilearn Limited   **Hong Kong**
Digital Marketing Analyst   [June 2024] – [Aug 2024]
- Generate business leads, implemented strategic business plans for expansion, and creating engaging video and post contents for B2B and B2C marketing

QualiFly Education Limited   **Hong Kong**
Business Development Intern   [Dec 2023] – [Feb 2024]
- Conduct market research and analysis specific to edtech industry, identifying emerging trends and strategic proposals that facilitated the company's expansion into new Asian markets

AWARDS

Champion – BNP Paribas Sustainable Finance 2025   [April 2025]
- Integrated Retrieval Augmented Generation AI for wealth management plan

3rd Runner Up – HKGCC Business Case Competition 2025   [Feb 2025]
- Computer Vision proposal for low carbon management in Jardine Engineering Corporation

1st Runner Up – Bank of China (HK) Challenge 2024   [Aug 2024]
- Developed AI-powered Carbon Credit Card solution, awarded HKD 100,000

Finalist – CUHK Smart Logistics Datathon (AISCL)   [Apr 2024]
- Analyse datasets from Hong Kong International Airport with ML techniques

1st Runner Up – HKGCC Business Case Competition 2024   [Jan 2024]
- Developed AI personalized consumer facing solution for KFC, awarded HKD 20,000

COMMUNITY ENGAGEMENT

Head Engineering Student Ambassador   [Feb 2025] – [June 2026]
- Served as chief student representative for School of Engineering, managing public relations and outreach initiatives for prospective students, parents, internal and external high profile figures

Engineering Peer Mentor   [Jan 2023] – [June 2024]
- Support engineering students in navigating challenges in university life including academics, social integration, stress management and community events

TECHNICAL SKILLS

Languages: Native in English; Native in Mandarin; Conversational in Cantonese; Conversational in Malay
Technical Skills: C++, C, Python, SQL, Android Studio   **Non-Technical:** Canva, Figma, Capcut, Bloomberg
Extra-Curricular Roles: USThing PR, Southeast Asian Student Association Marketing, HKUST Spark Global