

Kinsey Pak Yin Ho

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EDUCATION

NORTHWESTERN UNIVERSITY

Bachelor of Engineering in Computer Engineering

Evanston, Illinois, U.S.A.

Expected Graduation: June 2023

- Cumulative GPA: 3.555
- Second Major: Economics
- Co-founder, President: *Hong Kong Student Association*
- Relevant Coursework (Spring 2020):
 - Design Thinking & Communications II
 - Engineering Analysis I-IV
 - Fundamentals of Computer Programming II (C, C++)
 - Data Structures and Algorithms

WORK EXPERIENCE

SOURCING SOLUTIONS INTERNATIONAL LTD.

Hong Kong

Research and Programming Intern for Robotics Department

July 2020 – September 2020

- Developed an industrial robot capable of semi-autonomous movement and RFID scanning
 - Implemented ROS framework, SLAM, Visual Odometry, and EKF for semi-autonomous movement
 - Helped develop RFID scanning system to be implemented for warehouse inventory
- Created Python program using OpenCV for quality checking parts produced from industrial machines

TROTTER TECHNOLOGIES

Hong Kong

Computer Science Researcher & Programming Intern

June 2018 -July 2018

- Developed a mobile phone application to scan barcodes and document receipts
- Cross-platform mobile and web application using Apache Cordova and the Ionic framework
- Application has been implemented within company factories.

SKILLS

Programming: C | C++ | CSS | HTML5 | MatLab | Java | JS (Angular, TypeScript) | Python
Framework: Ionic | Robot Operating System (ROS)
Applications: AutoCAD | Microsoft Office Suite | SolidWorks
Language: English | Chinese (Cantonese) | Chinese (Mandarin)

AWARDS

- University of Waterloo Sir Isaac Newton Physics Award, 58th Place Worldwide of about 2000 participants
- High School Mathematical Contest in Modeling – Meritorious