**Kinsey Pak Yin Ho**

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**EDUCATION**

**NORTHWESTERN UNIVERSITY** *Evanston, Illinois, U.S.A.*

**Bachelor of Engineering in Computer Engineering** *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