

POON, Kwan Hei Anson

+852 5617-6679 | poonkwanheianson@gmail.com | [linkedin.com/in/kwan-hei-anson-poon/](https://www.linkedin.com/in/kwan-hei-anson-poon/)

WORK EXPERIENCE

HKEX | Incoming Summer Intern Jun - Aug 2024

Hospital Authority | Summer Intern Jul - Aug 2023

- Developed an AI model which predict the length of stay of a patient in a hospital, with accuracy of 70.2%, optimizing hospital bed allocation and enhancing clinical resource management
- Investigated OCR models for handwritten medical referral letter recognition, resulting in enhanced efficiency in hospital operations, particularly in medical appointment scheduling

Optix Solutions Limited | AI R&D Intern Jun - Jul 2023

- Developed a NLP model for semantic analysis of MTR company construction site reports, streamlined daily report screening processes, reducing engineers' workload and contributing to a decrease in construction site accidents
- Employed C# Windows Forms to create front-end interactive software for Education Bureau secondary student electives subject selection process

ATTA Technologies | Research Engineer Intern Dec 2022 - Jan 2023

- Built a human action recognition model to create an interactive fitness game, encourage sports among teenagers

EDUCATION

ETH Zurich (Swiss Federal Institute of Technology Zurich) | Incoming Exchange Student Sep 2024 - Feb 2025

Hong Kong University of Science and Technology | Bachelor of Engineering Sep 2021 - May 2025

- Major in Computer Science with an Extended Major in Artificial Intelligence
- CGPA: 3.944 / 4.30; Dean's List for 5 semesters
- Undergraduate Teaching Assistant
 - Conduct weekly tutorial sections to help students with Python and computer science knowledge

St. Francis Xavier's College | Diploma of Secondary Education Sep 2015 - Jul 2021

- HKDSE 2021: Math: 5**, Physics: 5*, Chemistry: 5*, Math Extended Module 2: 5*

EXTRACURRICULAR ACTIVITIES

Bloomberg Academy (Data) Program | Incoming Participant Jun 2024

Undergraduate Researcher Sep 2023 - Present

- Research DLFormer, an efficient AI model revolutionizing image analysis by dynamically adjusting parameters based on different computer vision tasks for computational limited situations and real-time analysis tasks
- Explore millimeter wave sensor applications in human action recognition for healthcare monitoring cameras, prioritize privacy protection by avoiding the capture of visible light spectrum information

Self-Project: Auto Clicker for Arknights Jul - Aug 2023

- A mobile game farming bot with CNN and OCR model: <https://github.com/Ely2112/Arknights-Auto-Clicker>
- YouTube demo video over 2,700 views: https://www.youtube.com/watch?v=0az1m93iW_0

SCHOLARSHIPS

Innovation and Technology Scholarship 2024

- Chosen as one of only 25 recipients, awarded HK\$150,000 for overseas exchange and outreach program

SKILLS

Languages: English, Cantonese, Mandarin

Programming Languages: Python, C/C++, Java