

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/) <https://ely2112.github.io/personal-website/>

WORK EXPERIENCE

Hong Kong Exchanges and Clearing Limited (HKEX)

Hong Kong SAR, China

Summer Intern

Jun - Aug 2024

- Refined HKEX internal design system by building 2 analysis websites, implementing Shift Left Testing practices, and identifying and addressing over 10 gaps, leading to earlier defect detection and better system alignment
- Developed 2 new components for HKEX internal design system to improve user experience, resulting in a consistent design system that boosted web development progress and reduced interface inconsistencies
- Researched and presented web analytics tool, Microsoft Clarity, to UI/UX teams, resulting in targeted improvements to the user interface that enhanced usability and user engagement by 10%

Hospital Authority

Hong Kong SAR, China

Summer Intern

Jul - Aug 2023

- Collaborated with doctors and seniors data scientist to create an AI model for predicting patient length of stay using 100,000+ records, achieving 70.2% accuracy, optimizing hospital bed allocation and enhancing clinical resource management
- Investigated Optical Character Recognition models for handwritten medical referral letter recognition, increasing efficiency in appointment scheduling, reducing processing time, and saving substantial human effort by minimizing manual checks

Optix Solutions Limited

Hong Kong SAR, China

AI R&D Intern

Jun - Jul 2023

- Developed a semantic analysis NLP model for MTR Corporation Limited's construction site reports with over 95% accuracy, streamlined daily report screening, reducing engineers' workload and contributing to maximize building safety
- Remodelled software front-end and UI using C# Windows Forms for the Education Bureau's secondary student elective subject selection process, improved the efficiency and user experience of the selection process

ATTA Technologies

Hong Kong SAR, China

Research Engineer Intern

Dec 2022 - Jan 2023

- Built an interactive fitness game using human action recognition model, encouraged sports participation among teenagers

EDUCATION

ETH Zurich (Swiss Federal Institute of Technology Zurich)

Zurich, Switzerland

Exchange Student

Sep 2024 - Present

Hong Kong University of Science and Technology (HKUST)

Hong Kong SAR, China

Bachelor of Engineering in Computer Science with an Extended Major in Artificial Intelligence

Sep 2021 - Present

- Year 4 Student; CGPA: 3.92 / 4.30; Dean's List for all 6 semesters
- Undergraduate Teaching Assistant for Python Course; Undergraduate Researcher specializing in Computer Vision AI

EXTRACURRICULAR ACTIVITIES & SELF PROJECTS

Bloomberg Academy (Data) Program

Hong Kong SAR, China

- Gained insights into Bloomberg's data application and developed an ESG ranking model to assess companies within 8 hours

Personal Website

<https://github.com/Ely2112/personal-website>

- Using React and Material UI, hosted on GitHub Pages

AI-Based Mobile Game Auto Clicker

<https://github.com/Ely2112/Arknights-Auto-Clicker>

- Using self-trained Image Classification model and Hugging Face's Optical Character Recognition model

SKILLS

Languages: English, Cantonese, Mandarin

Programming Skills: Python, C++, C#, Java, HTML/CSS, JavaScript, PyTorch, Scikit-learn, React, Tailwind CSS, Material-UI, Figma, GitHub