

# POON, Kwan Hei Anson

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## 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 significantly enhanced usability and user engagement

### 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 OCR 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

Expect Sep 2024 - Jan 2025

- Relevant Coursework: Web Engineering, Human Computer Interaction, Visual Computing

### 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 – Expect May 2025

- Year 3 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 & ACHIEVEMENTS

### Bloomberg Academy (Data) Program

Hong Kong SAR, China

Participant

Jun 2024

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

### Innovation and Technology Scholarship 2024

Jun 2024

- Awarded HK\$150,000, as one of 25 recipients for overseas exchange and outreach programs

## SKILLS

Languages: English, Cantonese, Mandarin

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