

POON, Kwan Hei Anson

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WORK EXPERIENCE

Morgan Stanley Hong Kong SAR, China
Technology Summer Analyst Jun 2025 – Aug 2025

- Private Wealth Management Client Lifecycle Management Team
- Built a Java dependency rules engine to compute impacted data for account-change requests; modelled dependencies as a directed graph with BFS traversal
- Shipped a React Flow impact-graph UI that explains decisions and supports auditability; integrated via REST and added logging and validation for traceability

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 - Jan 2025

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

- CGPA: 3.934 / 4.30; Dean's List for all semesters
- Undergraduate Teaching Assistant for Python Course for 3 semesters
- Undergraduate Researcher specializing in Computer Vision AI

EXTRACURRICULAR ACTIVITIES & SELF PROJECTS

Bloomberg Academy (Data) Program Hong Kong SAR, China

AI-Based Mobile Game Auto Clicker <https://github.com/Ely2112/Arknights-Auto-Clicker>

SKILLS

Languages: English, Cantonese, Mandarin

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