

WONG, Hon Yin Henry (Software Developer)

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WORKING & PROFESSIONAL EXPERIENCE

Jun 2025 - Present

TRM (HK) Limited AI Developer

- Implemented a **AI workflow** and **API** to generate CM statements for insurance staff from a transcript of a ~30 minutes conversation using **Dify** (AI workflow) , **XML tags prompt engineering**, **C# .NET** (API development)

Dec 2024 – Jan 2025

Igears Technology App Developer Winter Intern

- Implemented and designed a **Multi-platform NFC Event Application**
 - Frontend: **React Native** (iOS & Android), **Electron** (Windows)
 - Backend: **Flask RESTful API**
 - Database: **MongoDB**
- Implemented a **Multi-platform Flutter Clipboard App**
 - Frameworks: **Flutter**
 - Backend: **node.js WebSocket server**

May 2024 – July 2024

Passed HKSTP ideation in INNOX Entrepreneurship Summer Camp

- Designed a product**
- Developed **business model**
- Implemented a **prototype** (hardware, motion capture, image processing using **mediapipe**, **OpenCV** and more)
- Developed an Application using **Flutter**

Apr 2023 – Mar 2024

Student Assistant in Division of Science, Engineering and Health

Studies (SEHS) in College of Professional and Continuing Education Limited (CPCE)

- Providing tutoring and teaching students
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EDUCATIONAL BACKGROUND

2023 - Present

The Hong Kong University of Science and Technology (HKUST)

Bachelor's Degree in Engineering, major **Computer Science** (CGA: 3.1/4.3)

2021 - 2023

The Hong Kong Polytechnic University Hong Kong Community College

Associate in Statistics and Data Science with Distinction (CGA: 3.92/4.3)

PERSONAL PROJECTS

Crowdfunding Dapp - Defunds

- A fully decentralized Crowdfunding Dapp with voting mechanism and refund features on ETH using **solidity** (smart contract) and **React** (UI)

Motion Capture Robot Arm

- Build a **AI model** and implement a motion capture program using **OpenCV**, **mediapipe**, **TensorFlow** for controlling a robot arm using motion capture

Distributed ML Pipeline

- A Distributed ML Pipeline using **spark** on **AWS EMR** and **S3**, with an interactive web UI for user to drag dataset in and automatically train AI models for them

Weather App

- Build a weather app using **Flutter** and **Openweather API**

Supermarket Database

- design a **relationship diagram**
- implement the Supermarket Database with **SQL** using Microsoft Access

Animal Adoption Centre System

- Build an animal adoption system using **C++**, mainly using **BST** and **Linked list**

Chess Game

- Build a chess game using **C++**, mainly practicing **OOP** and **templates**

Personal Portfolio Website

- Build and design a Personal Website using **React**, **Vite**, **Tailwind CSS**,
- <https://hyhen115.github.io/>

LANGUAGES AND TOOLS

- Fluent English, Chinese (Putonghua and Cantonese)
- C, C++, C# .NET 8, Java, Python, JavaScript, Solidity
- React, React Native, Flutter, HTML/CSS, Tailwind CSS
- SQLite, MongoDB
- AWS (EC2, EMR, S3, Lambda), Docker, Git, Postman