

Felix PANG

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London/Southeast | British National (Overseas) - no sponsorship required

EXPERIENCE

AI Developer Intern – Sebit Company Limited

August 2022

- Trained and fine-tuned AI models using **PyTorch** for hazard detection and cell recognition
- Deployed AI model for hazard detection on Nvidia **edge devices** in railway stations
- Maintained and upgraded internal tool for edge device status monitoring with **instant messaging integration**

Software Engineer Intern – Life-Long Learning International Limited

June – July 2022

- Liaised with stakeholders to capture **technical specifications**
- Compiled **Software Requirement Specification** document for project
- Developed and maintained company website using **Wordpress**

IT Support Specialist – Hong Kong University of Science and Technology

September – December 2021

- Developed website for Staff App using **Drupal** and **prototyped** new features for Student Finance system.
- Implemented **test cases** for Dental Visit System and Fitness Centre Booking System
- Compiled documentation and privacy impact assessments for University apps and services

EDUCATION

University of Manchester

2023 – 2024

Masters of Science in Advanced Computer Science – Artificial Intelligence Pathway

United Kingdom

Hong Kong University of Science and Technology

2019 – 2023

*Bachelor of Engineering in Computer Science, **First Class Honours** – MCGA 3.8, Dean's List*

Hong Kong

PROJECTS

mojichan.com – Emoji Channel *Language-agnostic, emoji-only online message board*

2025 – Ongoing

- Designed **RESTful API** backend with **Spring Boot** in **Java** and frontend with **React**, **Next.js**, **TypeScript**
- Integrated **Large Language Models (LLMs)** for live translation of user messages into emojis
- Designed a **PostgreSQL** database hosted on **Amazon Web Services Relational Database Service (RDS)**
- Provisioned an **AWS Elastic Compute Cloud (EC2)** instance and an **AWS S3 Bucket** for deployment
- Configured **domain management** and **DNS** settings through **Cloudflare** for enhanced performance and security
- Executed **comprehensive unit testing protocols** and applied **Agile** software development practices

goosefarmersimulator.com – Goose Farmer Simulator *Live-service, full stack online game*

2025 – Ongoing

- Designed **RESTful API** using **Django**, **Django Rest Framework**, **Python** and deployed to **AWS EC2** instance
- Implemented frontend using **Angular**, **TypeScript**, **HTML**, **CSS** hosted on **AWS S3 Bucket**
- Designed a **PostgreSQL** database hosted on **AWS RDS** and integrated **AWS Simple Email Service (SES)**

fishinvestor.com – Rare Fish Investor Simulator *Online game with 200+ peak daily visitors*

2024 – Ongoing

- Designed **RESTful APIs** with **Express**, **Node.js**, **JavaScript**, with **MongoDB** database on **MongoDB Atlas**
- Implemented UIs with **React**, **HTML** and **CSS**, provisioned **AWS EC2** instance, **S3 Bucket** for deployment
- Designed **low-latency virtual marketplace** for trading of non-fungible collectibles between players
- Used **Mailgun** for automated emails, configured **DNS** settings, performed **unit tests** and applied **Agile** practices

Adverse Drug Coding for Rheumatology using NLP *MSc Dissertation – Python, Tensorflow, PyTorch*

2024

- Developed AI models to extract Adverse Drug Reactions from clinical text and map to MedDRA codes

HKUST Butterfly App *Undergraduate Final Year Project – Pokémon Go for Butterflies*

2023

- Developed mobile app to document, explore and share butterfly species on campus with
- Implemented a user frontend using **React Native** and an admin portal using **React**, using **JavaScript**
- Implemented a **RESTful API** backend using **Node.js** and **Express** and a database in **MongoDB**
- Developed, integrated, and deployed an AI model using **Tensorflow**, **Python** for identifying butterfly species

Automated Vulnerability Detection in Smart Contracts *Undergraduate Research Opportunities Program*

2022

- Developed an application in **TypeScript** to detect common vulnerabilities in **Solidity** smart contracts

OTHER TECHNICAL SKILLS AND PUBLIC EXAMINATIONS

Languages: C/C++, C#, Excel VBA, Pascal, LaTeX **Libraries:** Keras, OpenCV, pandas, NumPy, Matplotlib
Version Control: Git, GitHub **Developer Tools:** Linux, Docker, Google Colab, VS Code, Visual Studio, Eclipse
IELTS 8.5 HKDSE 5* Eng, 5* Bio, 5* M2, 5 Phy, 5 Maths, AP 5 Phy-C Mech., 5 Phy-C E&M, 5 Calculus BC