

NELSON NGAI

PROFILE

Python Data Analyst at Huboo Technologies, with a strong background in physics, data science, analysis, and web development. Experienced in delivering actionable insights through data, automating processes, and building user-friendly applications to drive efficiency and revenue growth.

WORK EXPERIENCE

Huboo Technologies Ltd.

2023 - now

Python Data Analyst

- Developed *Perfect Workforce*, a Vue.js-based platform that allows more than 300 employees and managers to monitor performance, distribute bonuses, and visualize score metrics. Key features include role-based access, monthly performance tracking, a notification system, and a database for storing historical data.
- Contributed to a no-code report generation application. It allows custom report creation and email automation for non-technical users with automated billing in place. Over 5000 reports are sent monthly via the application.
- Maintained and improved a C# Windows app with a FastAPI backend for warehouse clock-ins. The system is deployed on over 400 computers, serving 300+ users, and providing live status updates.
- Analyzed the current order volume and shipment types across all sites in the UK and Europe with the new tender rates by multiple couriers which reduced our shipping costs by £100k annually.
- Created bespoke reports, Geckboards, PowerBI dashboards, and ad-hoc analytics for all stakeholders across the organisation and clients.
- Categorised client industry with Langchain and LLMs.
- Participated in a GCP hackathon to extract invoice data from PDFs with Gemini and Big Query.

Kindred Group plc.

2023

Data Science Intern

- Built recommendation models for recommending bet events to users based on their past bets using various machine learning techniques such as negative sampling, regression, ensemble learning with LightGBM, feature embeddings with neutral language processing.

SKILLS

Python

- Web Development: FastAPI, Streamlit
- Data Analysis and Visualisation: Matplotlib, Pandas, Numpy, Plotly, Seaborn, Statmodels, Scipy
- Machine Learning: Scikit-learn, PyTorch
- Testing: PyTest, Unittest
- Others: Requests, SQLAlchemy, Alembic, Pydantic, APScheduler

Frontend: Vue.js, Javascript, HTML5, CSS, Node.js

Scientific Research: MATLAB, Mathematica

Other Tools: Git, Docker, AWS, L^AT_EX, Microsoft Office, Neovim

EDUCATION

University College London

London, England

MSc Data Science and Machine Learning, Distinction

2022 - 2023

Imperial College London

London, England

MSc Physics, Distinction

2019 - 2020

Cardiff University

Cardiff, Wales

BSc Physics with Astronomy, First Class Honours

2016 - 2019

OTHERS

Certification

- Udemy -Data Structures Algorithms

Hobbies

- Workout and Calisthenics. I keep track of my progress with a Streamlit application. [!\[\]\(ae3e34fadd7f8d3ee511d6eba21454c6_img.jpg\)](#)
- Music and playing the piano.