Chun Wai Michael Tam

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LinkedIn•Github• Suffolk, UK

A proactive data-focused engineer with a strong foundation in Python and SQL, experienced in transforming raw information into clean, structured, and reliable datasets. I bring hands-on experience in automation, data validation, and building pipelines that support AI and machine learning applications. Driven by curiosity and growth, I'm committed to contributing to impactful, data-driven products that make a real difference.

Technical Proficiencies

Skill Set: Microsoft Office Suite | Python ,Git, VS Code, Postman, Jira, SQL , Matlab , JavaScript, CSS, C++ , Django, Ollama, React, Typescript ,CSS

Experience

Project – Chat bot AI search Engine   Dec 2025
Built an AI-powered search engine for an e-commerce platform. Performed data preprocessing for unstructured databases. Deployed LLM-based components and designed effective prompt engineering workflows.

Project – Sport Gear Search Engine (Machine Learning)   Nov 2025
Built a personalized recommendation tool using Sport Watch API data, designed a Python pipeline to extract, clean, and process wearable-device data, mapping user inputs to relevant product categories. Strengthened experience with Python, APIs, data modelling, and building small-scale ML-driven features.

Freelance   Apr 2025 -Now
Built Python automation scripts for **trading system data collection and analysis**. Implemented API calls to retrieve live market data, validate results, and handle exceptions automatically. Designed test scripts to verify API response correctness and performance under various conditions. Used version control (GitHub) to manage and review code changes.

JEB Technologies Limited, United Kingdom   Mar 2022 – Mar2023
NPI Engineer

Build prototypes, designing and running experiments, engineering study to gather performance data on new medical product. Providing detail data by creating engineering document fulfil ISO ISO 13485 and testing programmes. Perform verification of manufacturing, production jig and tooling to ensure the product fulfil customer mass production requirement. Develop Design for Manufacture (DFM) and Design for Assembly (DFA) solutions to existing product and process.

ASM Pacific Technology Limited, Hong Kong   Jul 2016 – Oct 2020
Mechanical Engineer

Lead the design, test, procurement and introduction new machinery, equipment, jigs tooling and created a bespoke Special purpose machinery for high precision, low volume, automated and pneumatic module in an efficient manner. Resolved complex issues regarding product installation, production faults, ensuring optimum operations and performed development for automation industry product. Hand on and tested a prototype product from conception to completion, while providing impeccable support to the production department regarding manufacturing design. Utilizing statistics and data/customer/process analysis to implement sustainable improvements and locate project gaps for ongoing metrics.

Python for finance and algo trading
  FessorPro, 2025

Lean Six Sigma Certification
  Six Sigma Institute Hong Kong, 2020

Master of Science in Mechanical Engineering
  Hong Kong Polytechnic University, Hong Kong, 2020

Bachelor of Science in Mechanical Engineering
  Hong Kong University of Science and Technology, Hong Kong, 2016

Languages
English|Fluent
Cantonese and Putonghua|Native