Geoffrey Wong Hin
Full-Stack Data Scientist/ ML Engineer

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Resume Site: https://react-resume-eight.vercel.app/

PROFESSIONAL EXPERIENCE

DATA SCIENTIST, **HOTMOB LIMITED**

07/2021 - 06/2023

- Fully responsible for crawling online websites and processing unorganized web data by applying **transfer learning onto GPT-2** (Traditional Chinese) to analyze sentiments, classify interests, and extract keywords, increasing crawling **capacity by more than 10 times with 50% of the cost**.
- Impressed the global insurance company's Business Intelligence team with out-of-scope exploration in client projects, including training deep learning models to **predict insurance fraud**, adding **explainable ML** to inference output, and **revamping their data processing system** originally in SAS.
- Using **Airflow**, fully automated every component of the company's pipeline, removing the need for manual labor in monitoring data quality, updating ML models, and generating reports. (**MLOps**).
- **Managed the development of two dashboards** to showcase exceptional behavior in subscribed emails and browsing patterns, including web and app usage and location-based data.
- For more detail, https://github.com/RyanStark223232/work-porfolio-hotmob

AI DEVELOPER INTERN, **FLYING MILK TEA LIMITED**

07/2020 - 09/2020

- Performed **Web Crawling** on Multiple Art-Sharing Websites with **Selenium** to Collect Images and 3D Model Data
- Built a **Generator** that Converts 2D Images into 3D Models

EDUCATION

B.SC. IN COMPUTER SCIENCE, THE CHINESE UNIVERSITY OF HONG KONG

09/2018 – 07/2021

GPA: 3.85

Scholarship/Award:

- Gold Award for Outstanding Academic Performance
- Prof SC Loh Scholarship for CSE
- Li Po Chun Charit T Fund UGD
- Yu To Sang Memorial Scholarship 2019/20
- ELITE Stream Scholarship
- CodeVita 2018 Hong Kong 1st runner-up (Python & C)

SKILLS

Language: Cantonese (Native), English (Fluent), Mandarin (Fluent)

Technical Skills:
- Proficient in **Machine Learning Frameworks** (Pytorch, TensorFlow, Keras, Scikit-learn)
    - and **Development Tools** (MLflow, Tensorflow Extended)
- Proficient in **Algorithm Design** (Python, SQL, C, JAVA)
- Proficient in **Cloud Platforms** (GCP, Azure, AWS)
- Proficient in **Data Pipeline** (Apache Beam, Hadoop, Spark)
- Proficient in **Data Dashboard** (Looker Studio, Tableau, PowerBI)
- Proficient in **Ops Tools** (Airflow, Databricks, Kubeflow)
- Experience with Frontend Development (React JS)
- Experience with Backend Development (FastAPI, Flask, Django)
- Experience with
    - Fine-Tuning and Deploying **Large Language Models** (LoRA, RAG)
    - Productionalize **Stable Diffusion**

CERTIFICATES & COURSES

Professional Machine Learning Engineer, Google Cloud Certified
06/2023 – 06/2025

Professional Project Management Certificate, Google
07/2023 – Now

Google's Large Language Model (LLM) Learning Path, Cloud Skill Boost
06/2023 – Now

Dive into Deep Learning Using MXNet Workshop, AWS
08/2019 - Now

COMPUTER SCIENCE PROJECT
- Developed a Computer Vision system for Parkinson's Disease diagnosis that outperformed previous techniques (Final Year Project)
- Built an Emsemble Atrial Fibrillation classifier with accuracy comparable to the 2017 PhysioNet Competition winner (Individual TensorFlow Project)
- Evaluated the randomness of card shuffling techniques using a Recurrent Neural Network predictor and a simulated card guessing game (Group TensorFlow/Programming Project)
- Wrote a Review Paper comparing 10 different machine learning classifiers for pre-mRNA splicing prediction (Individual Bioinformatic Project)