

Geoffrey Wong Hin

Full-Stack Data Scientist/ ML Engineer

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

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RELEVANT SKILLS

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 & Deploying **Large Language Models** (LoRA, RAG), **Stable Diffusion**

Language: English, Cantonese, Mandarin

PROFESSIONAL EXPERIENCE

DATA SCIENTIST, **HOTMOB LIMITED**

07/2021 - 06/2023

- Implemented web-scraping pipelines and leveraged transfer learning with **GPT-2** for comprehensive website understanding. Extended capability to sentiment analysis, interest classification, and keyword extraction, while increasing **capacity by more than 10 times with 50% of the cost**
- Impressed the Business Intelligence team of a global insurance company with 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** to **PowerBI**
- Using **Airflow**, fully automated data processing pipelines. 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 behavior in subscribed emails and browsing patterns, including web and app usage and location-based data
- For more details, <https://github.com/RyanStark223232/work-portfolio-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 **Voxel Generator** that Converts 2D Images into 3D Models

INDEPENDENT EXPERIENCE

- Built chatbots capable of querying databases, answering questions with accurate information, and generating graphs using an **agent-based Large Language Model (LLM)** ([HOTMOB LIMITED](#))

EDUCATION

MASTER of DATA SCIENCE & ANALYTICS (*Health Data Science & Biostatistics Specialization*)

[UNIVERSITY OF CALGARY](#)

09/2024 – PRESENT

BACHELOR of SCIENCE in COMPUTER SCIENCE (*AI Specialization*)

[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)

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 Ensemble 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**)