

# Geoffrey Wong Hin

## Full-Stack Data Scientist, ML Engineer

*Phone:* +852 9143 9765 *Email:* ryan5tark223232@gmail.com

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

### PROFESSIONAL EXPERIENCE

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#### 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 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, modularized and fully automated each component of the company's pipeline, including log file preprocessing and the generation of client-facing reports (**MLOps**).
- Developed **two dashboards** to showcase exceptional behavior in subscribed emails and browsing patterns, including web and app usage and location-based data

#### 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

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#### **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

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

**Technical Skills:**

- Proficient in Machine Learning Frameworks (Pytorch, TensorFlow, Keras, Scikit-learn)
- 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 Visualization (Looker Studio, Tableau, PowerBI)
- Experience with Frontend Development (React JS)
- Experience with Backend Development (FastAPI, Flask, Django)
- Experience with Fine-Tuning and Deploying Large Language Models and Stable Diffusion

## CERTIFICATES & COURSES

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**Professional Machine Learning Engineer, [Google Cloud Certified](#)**

**06/2023 – 06/2025**

**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

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- 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)