Geoffrey Wong Hin

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Education

09/2018 – 07/2021

B.Sc. in Computer Science, The Chinese University of Hong Kong

CGPA: 3.74 (Major 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)

Computer Science Project

- Implemented Computer Vision into the Diagnosis of Parkinson's Disease and outperformed previous techniques (**Final Year Project**)
- Built Atrial Fibrillation classifier with accuracy comparable to the winner of 2017 PhysioNet Competition (**Individual TensorFlow Project**)
- Constructed molecule toxicity classifier with an accuracy of 87% (**Individual TensorFlow Project**)
- Evaluated the randomness of card shuffling techniques using Recurrent Neural Network predictor and a simulated card guessing game (**Group TensorFlow/Programming Project**)
- Wrote review comparing 10 different machine learning classifiers for pre-mRNA splicing prediction (**Individual Bioinformatic Project**)

Skills

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

Computer and Technical Skills:

- Proficient in Machine Learning Frameworks (**Pytorch**, **TensorFlow, Keras, Scikit-learn**)
- Proficient in Programming (**C, JAVA, Python, SQL**)
- Proficient in Google Cloud Platform (**Bigquery, Vertex AI, Cloud Storage**)
- Experience with Data Pipeline (**Apache Beam**, **Dataflow**)
- Experience with Data Visualization (**Tableau, Looker Studio, PowerBI**)

Work Experience

☐ **07/2020 - 09/2020**

AI Developer Intern, Flying Milk Tea Limited

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

☐ **07/2021 - Now**

Data Scientist, Hotmob Limited

- Fully Responsible for Crawling Online Websites and Processing the data with models trained with **GPT-2 (Traditional Chinese)** to **analyze sentiments**, **classify interests**, and **extract keywords**, allowing the company to process **10 times more URLs while reducing costs by 50%**.

- Impressed the **Business Intelligence Team of Prudential HK** with projects with out-of-scope exploration. Projects include **training deep learning models to predict insurance fraud** and experimenting with **adding prediction explanations** to the standard pipeline of Azure Model Hosting and **revamping their entire data processing system in SAS** with Power Query and seamlessly porting the data to the highly efficient **PowerBI Dashboard**

- Using Airflow, I have modularized and fully automated each component of the company's pipeline, including log file preprocessing and the generation of client-facing reports.

- Developed **two dashboards** to showcase exceptional behavior in subscribed emails and browsing patterns, which include web and app usage and location-based data.