**Chong Jack Pang**

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**Skills**

* Programming Languages: Python, Java, C, C++, SQL, Kotlin, Matlab
* Data Engineering: ETL processes, Apache Airflow, Snowflake, PostgreSQL, BigQuery
* Data Scraping: Selenium, BeautifulSoup
* Machine Learning: PyTorch, TensorFlow, Scikit-learn, Computer Vision
* Data Visualization: Power BI, MS Excel, Matplotlib, Seaborn
* Workflow Orchestration: Airflow, Dagster, Prefect
* Project Management: Jira, Scrum
* Cloud Technologies: Amazon Web Services (AWS), Google Cloud Platform (GCP)

**Experience**

**Hiredly, Data Science Intern** Aug 2023 – Nov 2023

* Performed ETL processes, handling and integrating 500,000+ data points to ensure efficient data management.
* Designed and implemented automated task scheduling, reducing manual work by 30%, and developed 10+ automation scripts for routine tasks.
* Research on developing 2 APIs for ML/Data Ops purposes.
* Optimized the job recommendation system, resulting in a 5% improvement in matching accuracy than previous version and increased user engagement by 10%.
* Research and utilize LLM models to build AI-powered virtual interviewer.

**Academic Projects**

**Final Year Project: Job Recommendation System using Content-Based Filtering**

* Developed a content-based filtering recommendation system using Streamlit with job-based, user-based, and profile-based recommendation for job seekers.
* System was highly acceptable in User Acceptance Testing (UAT), which showed strong relevance in job recommendations.

**AI Methodologies Project: KNN Model for Diabetes Prediction**

* Developed a predictive model to forecast diabetes based on individual characteristics using the KNN algorithm.
* Fine-tuned hyperparameters to achieve optimal model performance with an accuracy of 83.77%.

**Education**

**Asia Pacific University of Technology and Innovation**  Sep 2021 – Sep 2024

* Bachelor of Computer Science with Specialism in Artificial Intelligence
* Current CGPA: 3.64/4.00

**SMK Sultan Ibrahim (SMKSI) Kulai, Johor, Malayisa** May 2019 – April 2021

* Malaysia Higher School Certificate (STPM)
* Science Stream (Physics)
* Achieved CGPA of 3.92/4.00

**Extracurricular Activities**

**Google Developer Student Club** – Data/AI Co-Lead

* Led the Data/AI initiatives within the club, organizing workshops and events.
* Held a successful workshop on Data Engineering for 30+ students as the speaker.
* Served as organizing committee member under the PR department for the Google Workspace Hackathon 2024, managing over 1,200 participants.

**Achievement**

**APU X AWS DeepRacer 2023**

* Trained an autonomous race car by designing reinforcement learning algorithm.
* Rewarded as first runner-up with the highest lap record of 9.106 second among 300+ teams.

**Tune Protect Hackathon 2023**

* Design an insurance-based customer loyalty program with the utilization of GCP services.
* Rewarded as second runner-up with the innovative solutions presented among 30+ teams.