**Chong Jack Pang**

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**Skills**

* Programming Languages: Python, Java, C, C++, SQL, Kotlin, Matlab
* Data Engineering & Workflow: ETL, Apache Airflow, Dagster, Prefect, dbt, Mage, Airbyte, Octoparse, Snowflake, BigQuery, PostgreSQL, MySQL, MongoDB
* Machine Learning: PyTorch, TensorFlow, Scikit-learn, LLM Model Fine-tuning, Prompt Engineering, Computer Vision
* Web & API Development: FastAPI, Selenium, BeautifulSoup
* Data Visualization: Power BI, MS Excel, Matplotlib, Seaborn
* Workflow Orchestration: Airflow, Dagster, Prefect
* Project Management: Jira, Scrum
* Cloud & DevOps: Amazon Web Services (AWS), Google Cloud Platform (GCP), Git

**Working Experiences**

**Userdata, AI Engineer (Full-Time)** Dec 2024 – Present

* Developed 3+ APIs using FastAPI to support AI, data engineering, and ML workflows.
* Designed ETL pipelines to process thousands of records to structure data.
* Fine-tuned LLM models for AI-driven applications.
* Engineered prompt generation techniques, to optimize AI-generated justifications.

**Hiredly, Data Science Intern (Part-Time)** Nov 2024 – Present

* Designed and maintained 300+ ETL pipelines using Airbyte, Mage, and dbt, improving data ingestion and transformation.
* Performed data scraping from over 30+ company careers pages using Octoparse, enhancing job data collection.

**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.

**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

**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.