

LIANG JIA XIONG

+60183903508 · jiaxiong.liang8@gmail.com
Personal Website: · <https://jiaxiong.netlify.app/>
LinkedIn: <https://www.linkedin.com/in/liang06/>

RECENT AEROSPACE ENGINEERING GRADUATES

I am a motivated and with a passion for turning raw data into actionable insights. My journey into data analytics is driven by curiosity and a love for problem-solving. I am currently honing my skills in Python, SQL, and data visualization tools, and actively applying them to projects that demonstrate real-world applications. I thrive on analyzing complex datasets, uncovering trends, and creating clear, impactful visualizations that inform decision-making. With a strong commitment to continuous learning, I aim to build a career where I can leverage data to drive innovation and success.

STRENGTHS AND EXPERTISE

Microsoft Office Suite
Python
Matlab

SQL
Tableau
Solidworks and CATIA V5

Ansys (Fluent and Mechanical)
Data analytic

PROFESSIONAL EXPERIENCE

UWC Berhad
NPI intern

August 2023 - October 2023

- Conducted zinc plating study and perform various test to ensure that the finishing is at good condition.
- Screened for faulty part and plan for a rework process flow.
- Involved in brainstorming on process, potential risk and failure, and prepared for PFMEA if needed.
- Handled first article job orders and liased with various departments to complete all 20 assembly parts on time

Skills Learnt: Various of Manufacturing processes, Problem solving methodology, team communication, GD&T

RELEVANT PROJECTS

SQL Analysis and Tableau Visualization of COVID-19 Dataset

- Querying and transforming COVID-19 dataset related to cases, deaths and vaccinations using **SQL**.
- Designed common Table Expressions, temporary tables and views for visualization.
- Created dashboards in **Tableau** to visualize key trends including total deaths for each continents and infected victim per country.

Data Cleaning and Transformation of Housing Dataset in SQL

- Performed systematic cleaning and transformation of a housing dataset to enhance usability including standardized date formats, filling missing values, split composite fields and etc.
- Utilized advanced SQL techniques including CTEs and conditional logic to prepare data for downstream analysis

Data Cleaning and Exploratory Data Analysis of Movie Dataset Using Python

- Conducted data cleaning and exploratory data analysis on a movie dataset using Python libraries such as **Pandas, Numpy, Seaborn** and **Matplotlib**.
 - Handles missing values and identified discrepancies in columns for improved data quality
 - Explore relationships between key features using scatter plots, regression plots and correlation analysis.
 - Transformed categorical variables into numerical codes to enable advanced analysis and generated comprehensive correlation matrices.
-

EDUCATION

University Sains Malaysia

Bachelors of Engineering (Honours) Aerospace Engineering

CGPA: 3.56

Kolej Tingkatan Enam Desa Mahkota

STPM

CGPA: 3.75
