



LIANG JIA XIONG

Recent Aerospace Engineering Graduate

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LinkedIn

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Career Objective

As a dedicated engineering graduate, I aim to leverage my expertise in computational analysis, design, and simulation to contribute to cutting-edge technology innovations. I seek to support product optimization and operational efficiency while continuously growing as a technology-driven professional.

IT skills

- C++, Python (numpy, pandas and matplotlib, OpenCV, SciKit-Learn)
- MATLAB
- Solidworks and CATIA V5
- ANSYS (FLUENT, MECHANICAL)
- Basic knowledge of PLC programming
- Microsoft Suite (Word, excel and Powerpoint)

Certification and education

Registered Graduate Engineer, Board of Engineers Malaysia (BEM)

Bachelor degree of Aerospace engineering (Honours)

Universiti Sains Malaysia 2020 - 2024
CGPA: 3.56

Malaysia Higher Education

Kolej Tingkatan Enam Desa Mahkota 2018 - 2019
STPM CGPA: 3.75

Languages

Mandarin Fluent

English conversational

Malay Basic

Experience

NPI engineer intern

August 2023 - Oct 2023

UWC Berhad

- 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 liaised with various departments to **complete all 20 assembly parts on time**

Skills Learnt: Various of Manufacturing processes, 8D methodology, team communication, GD&T

Waiter

Shakariki 432" @ Publika

Jan 2020 - Sept 2020

- Juggle multiple tasks at once while maintaining a fast paced environment
- Working with kitchen crew to ensure smooth operation and customers' satisfaction
- Handle customers' conflict in a diplomatic manner

Credit card sales executive

Jan 2018 - March 2018

MV marketing & consultancy sdn Bhd

- Built and maintained relationships with clients and prospects
- meet with potential clients to determine their needs

Projects

FYP : CFD analysis on quadcopter

- Performed CFD analysis on quadcopter through **Ansys Fluent**
- To obtain the aerodynamic performance of the quadcopter at different incidence velocity angle where at 20 degrees angle gives the best aerodynamic performance

Skills Learnt: Knowledge of using **Ansys fluent**, **data visualisation and data analysis**

Raspberry pi project: Camera-Based Motion Detection Security System

- Created a system where alarm will be activated when motion is detected

Skills Learnt: Basic knowledge of **python (OpenCV)**, **problem solving**

Glider design projects

- In charged of the conceptual design of the glider
- Helped in fabricating process
- Analysed the failure mode of the wing of the glider using **Ansys Mechanical**

Skills Learnt: Basic knowledge **CAD software (Solidwork)**, **team collaboration**, **structural analysis (Ansys Mechanical)**