

Lim Joel-Yi

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PERSONAL SUMMARY

A highly efficient, hardworking and versatile mechanical engineering fresh graduate with understanding of mechanical engineering design processes.

EDUCATION

Sept. 2014 – June. 2018

MEng (Hons) Mechanical Engineering

Classification: Second Class (Upper)

The University of Nottingham, Malaysia Campus.

Graduated at *Feb. 2019*.

Modules: Computer Programming with MATLAB, Design and Manufacture, Introduction to Material & Material Forming, Material in Design, Stress Analysis Technique, Lean Manufacturing, Computer Modelling Techniques etc.

EXPERIENCE

Project Engineer – Platform Screen Door & Automatic Platform Gate for KVMRT2 Sungai Buloh Serdang Putrajaya (SSP) project.

Global Rail Sdn Bhd

May. 2019 – Aug. 2020

Project / ITC Engineer

- *Testing (Quality Inspection / Production) –*
Been to supplier factory located in Dongguan, China in charge in Factory Acceptance Test (FAT) of products prior ship back to Malaysia.
- *Installation, Testing & Commission (ITC) –*
Assigned to ITC team to monitor site progress, assist contractor & site coordinator. Providing guidance of ITC to contractor. Perform hands-on work whenever required. Test Leader of Post Installation Test (PIT) and Partial Acceptance Test (PAT) of Sri Damansara East Station / Sri Damansara Sentral Station.
- *Documentations & Product design –*
Determines project specifications by studying product design, customer requirements, performance standards and completes technical studies. Liaise in between supplier and client on product feedback, testing procedures etc. Providing feedback of design change of products, mark up of drawings etc. to ease site installation progress.

United States of America Summer Work and Travel

Peppermill Resort Spa Casino

June. – Sept. 2017 & 2018

Student Exchange Program

- *Room Attendant –*
Coordinate with supervisor and office prior preparing fresh and clean rooms for hotel guest. Being the best to fulfil hotel guest's request.
- *Assistant Master Chef –*
Aid the Master Chef by preparing ingredients and dishes for customers. 6 out of 7 working stations in 3 months. Able to work in assigned station individually and aid other working stations whenever required.

Internship

Formosa Shyen Horng Metal Sdn. Bhd.

June. 2016 – Sept. 2016

- *Intern –*
Assigned into Dross Department to support Casting Department throughout the manufacture of aluminium billets and given a task of Aluminium Dross Recovery. Observe and study overall flow on manufacture of billets.

PROJECT & EVENT

MEng Individual Project Research (2017/18)

- Performing individual research with the assistance of supervisor on Finite Element approach to estimate Pressure Distribution & Member Stiffness in Bolted Joint Connection. Mostly related to Stress Analysis and partial of Finite Element Analysis.

Group Design and Make (2016/17)

- Performing a group project of 4 on Semi – automated vegetable harvester. Liaise with supplier, university procurement office on purchasing materials etc for the project. Perform together as a team during stages of project such as design phase & manufacture phase.

Design and Manufacture II (2015/16)

- Variable Pitch Propeller design – Individual assignment proposal project provided by module of Design and Manufacture II with group discussion among course mates, guidance from lecturer as supervisor on familiar how would a project works starting from the beginning performing design, material selection, cost of project, drawings, documentation etc.

Design and Manufacture I (2014/15)

- Air motor design – Assignment project by module lecturer with a team of 4 manufacture an air motor to inflate an air balloon as final objective. Manufacture important part of accessories of the design by perform machinery of accessories in workshop.

KEY SKILLS AND COMPETENCIES

- High level of competence using Microsoft Office, CES, Creo 4.0 Parametric, ANSYS & Simulation software. Self-learning on AutoCAD & Solidworks software.
- Basic knowledge of using MatLab & C-Programming software.
- Able to work as part of a team or individually.
- Able to prioritise and plan effectively.
- Flexible and willing to travel.
- Willing to ask and learn.
- Able to communicate effectively both verbally and in writing (English, Malay & Mandarin).

CO-CURRICULAR AND VOLUNTRAY ACTIVITIES

2018

- Institute Jantung Negara Ride 4 Your Heart 2018.

2017

- Hari Sukan Negara 2016 – Cycling Event.

2014

- Participant of Nottingham 3 on 3 Basketball Tournament.

2011 & 2012

- Participant of Revive High School Basketball League.
- Participant of Majlis Sukan Sekolah Daerah (MSSD) Basketball Category.

PROFESIONAL AFFILIATION

- Affiliate member of Institution of Mechanical Engineering (*IMechE*), Reg. No: 80246817
- Graduate Engineer of Board of Engineers Malaysia (*BEM*), Reg. No: G1182149A

PERSONAL DETAILS

Date of birth: 7th February 1995
Driving license: Yes
Nationality: Malaysian
Hobbies: Basketball and Cycling.

REFEREE

Ali Akhavan Farid
Ali.Farid@nottingham.edu.my

Personal Tutor