

## **Lim Joel-Yi**

No 9, Jalan 9, Taman Putri Jaya,  
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### **PERSONAL SUMMARY**

A highly efficient, hardworking, and versatile mechanical engineer with understanding of mechanical engineering design processes and skill knowledge of web development.

### **EDUCATION**

<i>Nov. 2020 – Feb. 2021</i>	<b>Full-Stack Web Development - Quantum Degree</b>  <b>NEXT Academy</b>  Joel's Portfolio @ <a href="https://find-joe-lim-portfolio.netlify.app/">https://find-joe-lim-portfolio.netlify.app/</a>  Languages / Framework / Libraries covered:  HTML, CSS, JavaScript, Bootstrap, ReactJS, Python, SQL & Flask  Additional during project: React Native & Expo
<i>Sept. 2014 – June. 2018</i>	<b>MEng (Hons) Mechanical Engineering</b>  <b>Classification: Second Class (Upper)</b>  The University of Nottingham, Malaysia Campus.  Graduated at <i>Feb. 2019</i> .  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 – Involving in Documentations, Testing (Production), Install, Testing & Commission (ITC). Determines project specifications by studying product design, customer requirements, performance standards and completes technical studies. Maintains project schedule by monitoring project progress, coordinating activities, and resolving problems.***

## ***United States of America Summer Work and Travel***

### ***Peppermill Resort Spa Casino***

*June. – Sept. 2017 & 2018*

*Room Attendant* – Preparing fresh and clean hotel rooms.

*Assistant Master Chef* – Aid the Master Chef by preparing ingredients and dishes for customers.

### ***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.

## **PROJECT & EVENT**

### **MEng Individual Project Research**

*2017/18 – Finite Element approach to estimate Pressure Distribution & Member Stiffness in Bolted Joint Connection.*

### **Group Design and Make**

*2016/17 – Semi - automated vegetable harvester.*

### **Design and Manufacture II**

*2015/16 – Variable Pitch Propeller design.*

### **Design and Manufacture I**

*2014/15 – Air motor design.*

## **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*

- Institut 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: 7<sup>th</sup> February 1995  
Driving license: Yes  
Nationality: Malaysian  
Hobbies: Basketball and Cycling.

### **REFEREE**

Ali Akhavan Farid Personal Tutor  
Email address: Ali.Farid@nottingham.edu.my