



# MUHAMMAD HAKIMI BIN SHAHRUL AZMI

DATA VIZ, JAVASCRIPT  
FRAMEWORK  
BACHELOR OF COMPUTER  
ENGINEERING WITH HONOURS

## EXPERTISE & SKILLS

### Languages

- Proficient in: Bahasa Malaysia, English
- Familiar with: Japanese

### Soft Skills

- Microsoldering: Familiar in soldering SMT and SMD chips on PCB
- Productive: Plentiful of skills to be efficient and beneficial
- Problem Solver: Thinking deeply to get the applicable answer
- Team-builder: Believe that unity is the ultimate victory

### Computing

- Familiar with: JavaScript (React), C/C++, Python, HTML, Arduino, VS Code, MATLAB, R
- Operating Systems: Windows, Linux (Ubuntu, Linux Mint)
- Office Applications: Office 365, Adobe Photoshop, Adobe Premier Pro

## CONTACT DETAILS

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## REFEREES

### Ahmad Faisal bin Abdullah

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(Diagnostic), KKTU Ledang  
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### Ir Dr Patrick Sebastian

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### Ryan Yeap Beng Heong

Sr. Solutions Engineer  
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## INTRODUCTION

A productive individual that benefits computing skills for community and country, and strive for excellence day by day. My objective is to indulge myself into technology and computing skills especially hardware building software programming every day to benefit society.

## ACCOMPLISHMENT

### COMPUTER TECHNICIAN

Ketari Merah Changlun District | Feb 2017

- Being an experienced technician, repairing computer, software or hardware problems for a month

### DATA ENGINEERING INTERN

Vitrox Technologies Sdn. Bhd. | Sept 2022 - April 2023

- Providing Solutions Engineer related to database query problem
- Managing and creating customized dashboard showing data visualizations to clients
- Creating an MVP project using React Web Application

### CERTIFICATIONS

- Google Data Analytics Certification
- freeCodeCamp JavaScript Algorithms and Data Structures

## ACADEMIC HISTORY

### MARA JUNIOR SCIENCE COLLEGE TUN GHAFAR BABA

Secondary School

- February 2015 - December 2016
- Graduated First Class
- Executive Council of Multimedia, Badan Dakwah dan Rohani
- SPM : 9As, 1B

### MARA HIGH SKILLS COLLEGE LEDANG

Diploma of Biomedical Electronics Engineering (Diagnostic)

- July 2017 - December 2019
- Executive Council of Academic, Student Representative Council
- Best Graduate under IPMa (MKP 2020)
- CGPA : 3.78

### UNIVERSITI TEKNOLOGI PETRONAS

Bachelor of Computer Engineering with Honours

- May 2020 - Present
- Under MARA IESP Programme
- CGPA : 3.50

## EXPERIENCE

### Creating electronic projects

- Mini Speaker - Creating an AUX Port along with IC to create an sound amplifier.
- Leg Physiotherapy Monitor - Creating a device that monitors and measure the bending angle of knee and foot joints by using MPU6050 accelerometer.
- Electrical-related projects - Logic circuit, electric circuit.

### Creating programming related projects

- Factory Management System - Using C to produce a system that stores and display worker's data, controlled by an administrator.
- Android controlled mini boat - Using Arduino to create a program that enables the motor from the boat to run with variable speed.
- Leg Physiotherapy Monitor - Using both Arduino and LabVIEW to create a program that filters and calculate angle, and monitor and stores them respectively.

### Maintenance

- Diagnostic Biomedical Devices - Troubleshoot problems and doing Planned Preventive Maintenance for diagnostic devices such as Patient Monitor, Non Invasive Blood Pressure, Spirometer, ECG, Fetal Heart Rate, CTG and many other diagnostic devices.
- Other Technical Devices - SMPS Home
- Home Wiring Projects

## CO-CURRICULAR CLUBS

### Boy Scouts (2012 - 2016)

- Participated in Boys Scouts Jamboree every year to further enhance skills in Boy Scouts Skills.
- Joined King Scouts Program by 2015 to become a certified King Scouts Member at Melaka (2016)

### Archery Club (2017 - 2019)

- Actively involved in archery sports about 3 times a week.
- Participated in archery competition such as 6th Indoor Melaka Archery Competition and Spekma 2018
- Won bronze medal in Team category at Spekma 2018

## LEADERSHIP COUNCILS

### Islamic Representative Council (BADAR) (2015 - 2016)

- Direct and supervise Muslim students about their religion, and making sure that they always follow the Muslim life.
- Multimedia Affairs

### Student Representative Council (KKTU) (2018- 2019)

- Becoming a representative for students in the college years, creating activities and maintaining the rights of the students.
- Academic Affairs

## ACADEMIC SUBJECTS

- Algorithms and Data Structures
- Basic Electronics, Biomedical Instrumentation
- Basic Japanese Communication
- C Programming, Object-Oriented Programming
- Combinational and Sequential Logic
- Communication Systems
- Diagnostic Devices (Monitoring, Physiological Measurement, Recording, Ultrasound)
- Digital Electronics, Combinational and Sequential Logic
- Electric Circuit, Electric Circuit Analysis
- Electronic Workshop Project, Project Methodology & Final Year Project
- Embedded Systems, Microcontroller
- Lab 1 - Large Data Store and Data Access
- Lab 2 - Visualization and Analytics of Large Data Series
- Lab 3 - Measure and Optimize Performance in Large Data Sets
- Operating Systems
- Principles of Physiological Signals
- Safety and Health of Diagnostic Devices
- Start-up Enterprise, Digital Enterprise