



PERSONAL PARTICULAR

NAME

ASRIL AIZAL BIN MOHD ROSLAN

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PERSONAL PARTICULAR

- 3rd Runner up in National Instrument Autonomous Robot Competition (2019)
- Consolation in Solidworks Competition (2019)
- Recognition & appreciation on improvement company activity, J.K Wire Harness Sdn. Bhd. (2019)
- Anugerah Sanjungan Pelajar Universiti Malaysia Pahang (2019)
- Finalis Anugerah Inovasi Negara (2016)
- Anugerah Pengarah (Projek Terbaik) Sesi Disember 2015
- Gold Medal in Anugerah Harta Intelek Negara in Category Inventors of Intellectual Property (2016)
- Gold Medal in Anugerah Harta Intelek Negara Zon Utara (2016)
- Gold Medal in Psas Innovation, Exhibition and Competition (2016)
- Head of Department Award (2013)

ASRIL AIZAL BIN MOHD ROSLAN

CAREER OBJECTIVE

Seeking a challenging career with a progressive organization that provides an opportunity to capitalize my technical skills & abilities.

EDUCATION

2016 ~ 2020

BACHELOR OF MECHATRONICS ENGINEERING (HONOURS)
UNIVERSITI MALAYSIA PAHANG

2013 ~ 2016

DIPLOMA IN MECHATRONICS ENGINEERING
POLITEKNIK SULTAN AZLAN SHAH

EXPERIENCE

Oct 2021 ~ Present

EMBEDDED SOFTWARE ENGINEER
PINGSPACE SDN BHD

- Custom protocol development
- Familiar with Linux environment
- Hardware In the Loop(HIL) development
- Various device integration for test development
- Familiar with Battery Management System (BMS)
- Design a Firmware Management for system maintainer
- Production support to maintain robot to serve operation
- Firmware development for specific product from scratch
- Experienced in ADC, UART, RS232, RS485, TIMER(PWM) & CAN
- Design a test case for a new device to validate the specification
- Support firmware development for an MCU based ARM architecture
- Customize linux bashscript to schedule specific task & script logic handling
- Design and develop Printed Circuit Board(PCB) from scratch to a functional board (Circuit and layout design & PCBA)

Sept 2020 ~ Sept 2021

ROBOTIC ENGINEER
UBCT INDUSTRIAL SOLUTION SDN BHD

- Integrate equipment with robots and various testing and monitoring.
- Responsible for modifying existing automation control systems.
- Experienced in industrial autonomous robot deployment

Jun 2019 ~ Aug 2019

PRACTICAL TRAINEE
J.K WIRE HARNESS SDN BHD

- Managing the testing, monitoring, and inspecting finished products.
- Troubleshooting machine problem and develop a system.

Dec 2014 ~ Apr 2015

PRACTICAL TRAINEE
YAMAHA ELECTRONICS MANUFACTURING (M) SDN BHD

- Maintained and service the machine.
- Design jig for product specification and checked product quality.

SKILLS

- Version control system
- Shell scripting automation
- RTOS embedded C development
- Printed Circuit Board (PCB) Design
- Hardware and software system integration
- Hardware & software debugging and troubleshooting
- Instrumentation tools : Oscilloscope, logic analyzer, multimeter, function generator.

STRENGTH

- **Problem solving** : Strong problem-solving skills demonstrated in resolving complex software issues resulting in improved system efficiency.
- **Adaptability** : Flexible and adaptable approach to quickly learning new technologies and software development methodologies.
- **Teamwork** : Proven ability to collaborate effectively with cross-functional teams, fostering a positive work environment and delivering successful projects.