



MUHAMMAD AZAM NAZREEN BIN MAT NIZAM

ELECTRONICS ENGINEERING STUDENT

CONTACT INFORMATION

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ADDRESS

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PROFESSIONAL SKILLS

VHDL

- FPGA programming (Cyclone II)

C language

- Microcontroller programming
(STM32F4 series, BECK,
Arduino)
- Graphical user interface

C++ language

- Using various external libraries
(STL, Eigen) for applications in
embedded system

PCB Design (Fritzing, KiCad)

- Electronics circuit design for
university and internship projects

Scilab

- Signal and image processing
- Using XCOS for PID controller
simulation

LANGUAGE SKILLS

English



French



Malay



Currently specializing in embedded system with experiences in various fields of electronics. Outgoing and fast learner, my primary objective is to develop more skills in digital electronics such as in FPGA programming.

PROFESSIONAL EXPERIENCE

June - July 2016

Hospital Universiti Sains Malaysia, Kelantan
Biomedical Technician Intern

Assisted in maintaining and repairing medical devices

April - June 2015

Cliniques Arnault Tzanck, Mougins, France
Developer of a tester device for biomedical

Developed a failures detection device for electric hospital beds

June - July 2011

Ejam Shop Enterprise, Kelantan
Seller

Assisted on the sale of mobile phones, electronics devices and telecommunication accessories

EDUCATION

2015 - present

Master's Degree in Electronics Engineering
Currently in second year of a three-year master's degree program specializing in embedded system at Polytech Nice-Sophia, France

2013 - 2015

Degree in Electrical Engineering and Industrial Computing

A two-year university of technology's degree obtained from University Institute of Technology (IUT) of Nice Côte d'Azur, France

2011 - 2013

Pre-France Certificate

A two-year preparatory course for french high education system at UniKL Malaysia-France Institute (MFI), Malaysia

UNIVERSITY PROJECT EXPERIENCE

November 2016

- present

Propeller Arm

Development of a propeller arm which is capable of maintaining its position at an angle given by user

November 2015 -

September 2016

Visual Sound

Visualization of sound captured through a microphone in spectral domain and introduction to pocket computer

February - April

2015

Electric Scooter

Programming of BECK microcontroller in C language for controlling an electric scooter and development of a graphical user interface (GUI) on Android

October

- December 2014

Electrocardiography (ECG) simulator

Development of ECG simulator for the comprehension of filter, signal amplification, signal processing, Analog to Digital Conversion and Digital to Analog Conversion