



SHARVIN A/L RAMACHANDRAN

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Willing to put the effort and hard work needed to learn and complete the job perfectly. Looking for opportunity to grow and improve to be a better person in life. Willing to travel.

EDUCATION

PRE- UNIVERSITY | MATRICULATION _____ **2013 - 2014**
SCIENCE STREAM (PHYSICS, CHEMISTRY, BIOLOGY, MATHEMATICS)

NEGERI SEMBILAN MATRICULATION COLLEGE CPGA: 4.00

BACHELOR'S DEGREE _____ **2014 - Present**

BACHELOR OF ENGINEERING (ELECTRIC - ELECTRONIC - MEDICAL ELECTRONICS)
UNIVERSITY TEKNOLOGY MALAYSIA CPGA (8th Semester): 3.44

EXPERIENCES

HEAD OF ELECTRONIC DEPARTMENT | UTM ROBOCON TEAM _____ **2016**

Champion of ABU ROBOCON 2016, Thailand Quarter

Finalist of ABU ROBOCON 2015, Indonesia Best

Design Award of ABU ROBOCON 2015, Indonesia

Experienced in management and handling a department up to international standard. At the same time, experienced in problem solving and troubleshooting problems regarding electronics and robotics.

JUDGE | IYRC MALAYSIA 2016 _____ **2016**

National Level Robotic Competition

Committee in organizing International Youth Robot Competition Malaysia 2016 (IYRC 2016), in charge of preparing the event venue and opening ceremony. Able to give decisive and stern decision.

EVENT ORGANIZING _____ **2016**

UTM ROBOCON Recruitment Autocar Workshop 2016, Game Master and Mentor

UTM ROBOCON Android Workshop 2016, Speaker and Facilitator

UTM ROBOCON Robotic Workshop in SK Kangkar Pulai 2016, Speaker and Facilitator

Motivational and Inspirational Programme in SMK Sri Rahmat, Facilitator

Experienced in organizing events and helping others to learn and further improve themselves.

TICKETING STAFF | AIRASIA REDTIX _____ **2016**

One Championship Unbreakable Warriors, Stadium Negara, Kuala Lumpur

Sime Darby LPGA Malaysia, TPC Kuala Lumpur

Involved in variety of events to further improve and gain valuable experience.

2016

LANGUAGE

Passed N5 level in JLPT (Japanese-Language Proficiency Test)
UTM Mandarin Class Level 3

Passionate in learning languages and breaking the cultural barrier that exist in our current society.

HACKATHON

2017

MARVEL Workshop and Hackathon (3D Animation + AR)
IBM Cloud Bluemix Hackathon (IBM Cloud Server using Bluemix Node JS)
Wanted to expand my knowledge and try out new fields for self-improvement

INTERNSHIP

2017

Radicare Sdn Bhd (Hospital Kuala Lumpur Branch)
Experience in repairing and maintaining medical grade equipment and any equipment related to the medical industry.

PROJECTS

2016-2018

Capstone (Child Tracker Using GPS, GSM and Radio module)
Brushless DC Motor Driver
DC Motor Driver
PWM Generator Using Timer 555
Signal Amplifier Circuit using Op Amps and Filters
Line Following Car
AC to DC power supply
Involved in mini projects and projects mostly regarding robotics circuitry. Enjoy being an electronic hobbyist and maker.

TECHNICAL SKILLS

Computer Languages	C
Simulation Tools	Multisim, PSpice, Altium, CopperCAM
IDE	Android Studio, Atmel Studio, MPLab
Platform	Windows
CAD	SolidWorks, Blender
Video and Photo Software	Adobe Photoshop, GIMP, paint.net
Hardware	PIC Microchip, Arduino, Atmel32
3D Animation + AR	Unity

REFERENCES

Academic Advisor: Puan Norlina Binti Paraman
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