**PERSONAL INFORMATION**

**Name:** Daryl Herman Marshall

**Address:** No.44, Lorong Halaman 5,

 Taman Halaman Indah

 14200 Sungai Jawi, Penang, MYS**Mobile No.:** (+60)143 489 619

**Email Address:** rylmv.91@gmail.com

**Date of Birth:** 15th Aug 1991

**Nationality:** Malaysian

**PROFILE**

Experience in both Software and Manufacturing industry. I would like to pursue my career in Manufacturing Industry and contribute the knowledge and skills that I’ve acquired. Willing to relocate.

**EDUCATION**

01/2013 – 11/2015 **B. Eng (Hons) in Electrical and Electronic Engineering (Microelectronics)**

 *KDU University College, Penang, Malaysia*

Collaboration degree course from Northumbria University, Newcastle, England, UK

* Relevant courses: Design and Manufacturing Analysis, Digital Signal Processing Systems, Digital System Design and implementation, Very Large Scale Integration (VLSI)
* Accomplishment: Thesis published in Institute of Research Engineers and Doctors (IRED)

Paper Title: Electromagnetic Energy Harvestor

Publication ID: CEET-15-883; ISBN: 978-1-63248-069-9

Digital Copy: [Link](https://www.seekdl.org/conferences/file/paper/20151005_053421.pdf)

01/2010 – 12/2012 **Diploma in Electrical and Electronic Engineering**

 *Institut Teknologi and Pengurusan Lebuh Victoria, Penang, Malaysia*

* Relevant courses: Peripheral Interface Controller, Electrical Installation, Control System, Digital System, Communication System, Power System (AC & DC Machinery)
* Average grade: 2.5/4.0

**PROFESSIONAL EXPERIENCE**

08/2017 – Current **Software Engineer | IoTG Department**

 *HCL AXON Malaysia Sdn. Bhd., Penang, Malaysia*

*Responsible for team deliverables for existing and new projects*

* Manage a team of six engineers
* Prepare and conduct interviews
* Conduct research and implement validation activities such as common system testing, acceptance testing, stress as well as stability test on customer’s product

04/2017 – 07/2017 **Product Engineer | Test Department | Front-end Process**

 *TF-AMD Microelectronics, Penang, Malaysia*

 *Wafer Level Chip Scale Packaging (WLCSP) Project Startup*

* WLCSP product setup and define manufacturing process (via Manufacturing Execution System)
* Present and demonstrate product’s process readiness for initial customer buy-off (before mass production)
* Lead a team to plan and execute customer’s new product reliability environmental tests (JEDEC, JC-14.3 standard) such as UHST, THB, HAST, HTSL and HTOL.
* Troubleshoot and debug product and hardware related issues with appropriate Manufacturing analysis standards
* Build and implement production control User Interface to be used by production operators

08/2016 – 03/2017 **Product Engineer | Test Department | Front-end Process**

*ASE Electronics (M) Sdn. Bhd., Penang, Malaysia*

 *Product owner for products tested on Advantest Verigy V93000 tester*

* Buy-off hardware products which are used for testing by conducting electrical test analysis. Hardware such as socket pogo pins, tester pogo pins and tester related board upgrades
* Release or disposition for On-hold mass production lot by conducting analysis and generate technical report for root cause
* Maintain and conduct analysis for every Test Program upgrade to monitor the product performance
* Tester setup for sustaining production products and NPI products
* Owner of new product transfer program in terms of defining the appropriate process flow for each product, managing technicians for support and assigning production operators to complete Front-end process as planned
* Design and implement tester User Interface for Production and NPI product to be used by production operator

01/2016 – 07/2016 **Software Engineer | Firmware Validation**

*HCL AXON Malaysia Sdn. Bhd., Penang, Malaysia*

 *Firmware validation for Point-of-Sale (POS) system*

* Validate newly released Software Package Functionality as per requirement
* Create and Enhance existing test scripts to suit various test platforms

**EXTRACURRICULAR ACTIVITIES**

11/2015 – 12/2015 **Programmable Logic Controller (PLC) Project**

*Titan Entity Sdn. Bhd., Penang, Malaysia*

 *Programming, wiring and installation service*

* + - * Implemented cut-off or stop system with PLC on stamping machine to prevent repetitive wrong hole punches on material (copper strip) during mass production

10/2010 – 12/2015 **AutoCAD Draftsman**

 *Elixer’s Techniq Enterprise, Penang, Malaysia*

 *Design and draw technical drawing based on customer’s specification*

* + - * Design Scope: Wiring diagram, PCB layout, Clean room, Production floor and pharmaceutical industry equipment such as Autoclave

**SKILLS**

* + - * Training course:
* On-going: Data Science and Machine Learning with Python
* Completed: AutoCAD Intermediate Course, Construction Supervisor for electrical works
* Languages: Bahasa Malaysia, English (good spoken and written command)
* Software: Autodesk AutoCAD, Microsoft Office

**INTERESTS & ADDITIONAL INFORMATION**

Keen to learn new technologies and skills

Participate in outdoor activities such hiking, cycling, swimming, snorkeling and kayaking