

Fawzi Harami

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URL: <https://mfawzi89.github.io/Portfolio/>

Electrical & Electronics Engineer Profile

Electrical and Electronic Engineering alumni with educational credentials and expertise in analysing electrical and electronic circuits, PCB designs by utilising simulation software, such as Multisim, Proteus, Altium, and KiCAD. Analogue and digital circuits designing. Renewable energy and power distribution. Proven ability to work well as part of a team, research, develop. Test electronic components and systems. Proficient in technical drawings and schematics using AutoCAD Electrical and Inventor.

Areas of Expertise

- Active Team Player
 - Strategic Planning & Analysis
 - Project Management
 - Office Administration
 - MS Office Suites
 - Linux System (operating, configuration, security)
 - Various IT Skills (Windows Server, Database Management, Windows10, LAN and WAN)
 - Electronic Circuit Designing
 - Electronic Devices configuration
 - PCB Designing (Altium, Proteus Multisim, and KiCAD)
 - Soldering and De-Soldering Skills
 - Fault Reporting
 - Control Panels Building
 - Troubleshooting and Problems Resolution
 - Web Design (HTML5, CSS, JavaScript, Bootstrap, Photoshop, illustrator, After Effects)
 - Cisco Networks Configuration (CCNA) Basics programming skills (python, C#, C++)
 - PLC Programming (Direct Logic, Click)
 - 3D Modelling (3D Max)
 - Technical Drawings (AutoCAD Electrical, Autodesk Inventor)
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EDUCATION

- BEng (HONS), Electrical and Electronic Engineering | Manchester Metropolitan University (MMU) alumni, 2018
 - Diploma, Telecommunication Technology Programme | College of the North Atlantic-Qatar, 2014
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EXPERIENCE HIGHLIGHTS

Motherwell Tank Gauging, October 2018 – Present

Junior Project Engineer

Engineering work based on maintaining the projects requirements and involved with various departments to provide engineering support as required on both work sites and office workshop.

- Provide overall technical support and assistance to engineers on site.
- Involve in electrical panel building and PLC programming.
- Test the Instruments performance (hardware and software).
- Perform technical analyses and prepare engineering reports.
- Develop the skills and working knowledge of project standards and procedures.
- Meet plans, schedules, and costs with assistance from engineering technical mentors.
- Develop project documentations, technical drawings, systems Testing, and factory acceptance testing.
- Deliver well written and presented documents, and manuals.
- Involve in technical sales and direct contact with the customers, suppliers and subcontractors as required.
- Develop instrument manual and prepare technical drawing (2D, and 3D).

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Virgin Media, June 2018 – October 2018

Installation Engineer

Engineering site work to install, maintain, and upgrade internet cables, router, and TV boxes. Test the signal strength and fix the losses.

- Install terminal boxes and lead-in-wires, using electrician's tools.
- Repairs cable system, deflect lines, and auxiliary equipment.
- Opens footway carriageway excavations to provide lines and install terminal boxes, auxiliary equipment and appliances, according to diagrams.
- Pulls lines through ducts by hand.
- Computes impedance of wire from distribution to house to determine additional resistance needed for reducing signal to desired level.
- Connect television set to cable system, evaluate incoming signal, and adjust system to ensure optimum reception.
- Measures signal strength at utility cabinet, using electronic test equipment.
- Installs and removes asset equipment, such as decoders and modems.

Shell Group, December 2015 – June 2018

Customer service

Sales and customer service at Shell garages ensure that the best quality services are delivered to each customer to make their visit to Shell remarkable.

Key Accomplishments:

- Deal with customer complaints efficiently and appropriately
- Ensure security and cleanliness of all areas within the Site
- Help the customers with loyalty application register process.
- Taking calls and assist customers who require information about the recent offers and price.

College of the North Atlantic-Qatar, January 2012 – July 2014

IT support

Presented comprehensive guidance and assistance to instructors and students for practical classes and experiments. Oversaw the fixing and servicing of minor damage for system control in the electronic devices.

Key Accomplishments:

- Rendered full range of support for troubleshooting electrical and electronics devices in electrical/electronic labs.
- Prepare PCBs for Lab session according to the given schematics.
- Supported project students in arranging essential equipment to lead various projects within time constraints.
- Check the electronic components stock, request quotation, and order materials.

Real Estate Centre Company-Qatar, September 2007 – December 2009

Designer

Structured proper interior and exterior doors by utilising a number of programmes, such as Photoshop, AutoCAD, and 3D Max software. Accomplished organisational goals and targets by saving many copies of official documents.

Key Accomplishments:

- Maintained accurate records of financial documents through utilisation of Microsoft Office software Programmes.
- Formulated reports on monthly basis and delivered data about specific aspects of a company's financial position.
- Graphic Designing and web design

MAJOR PROJECTS

Li-Fi data transmission project | Alstom Rail Project (wheel measuring device) | Graduation Project at CNAQ (Renewable Energy) | Home Security System using Raspberry Pi (Python) | Thales Arduino Project 2018 (Security System) | Analogue Sensor Amplification Design Project