

Fawzi Harami

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

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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, and project management skills. Test electronic components and systems. Proficient in technical drawings and schematics using AutoCAD Electrical and Inventor.

Areas of Expertise

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| • Active Team Player | • Electronic Circuit Designing | • Web Design (HTML5, CSS, JavaScript, Bootstrap, Photoshop, illustrator, After Effects) |
| • Strategic Planning & Analysis | • Electronic Devices configuration | • Cisco Networks Configuration (CCNA) Basics programming skills (python, C#, C++) |
| • Project Management | • PCB Designing (Altium, Proteus Multisim, and KiCAD) | • PLC Programming (Direct Logic, Click) |
| • Office Administration | • Soldering and De-Soldering Skills | • 3D Modelling (3D Max) |
| • MS Office Suites | • Fault Reporting | • Technical Drawings (AutoCAD Electrical, Autodesk Inventor) |
| • Linux System (operating, configuration, security) | • Control Panels Building | |
| • Various IT Skills (Windows Server, Database Management, Windows10, LAN and WAN) | • Troubleshooting and Problems Resolution | |
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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 technical support and assistance to engineers on site.
- Build Electrical panel and PLC programming.
- Test the Instruments performance (hardware and software).
- Perform Technical analyses and prepare engineering reports.
- Maintain project quality base on universal standards.
- Meet plans, schedules, and costs with assistance from engineering technical mentors.
- Perform practical Systems Testing, and factory acceptance testing.
- Deliver well written instrument manual, and technical drawings (2D, and 3D).
- Involve in technical sales and direct contact with the customers, suppliers and subcontractors as required.

Virgin Media, June 2018 – October 2018

Installation Engineer

Worked as site engineer 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.

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- 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

Worked in Sales and customer service at Shell garage. Ensured 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

Laboratory Support Assistance

Presented comprehensive assistance to the instructors and students on 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 the labs.
- Replace the failed components from electronic devices PCBs (soldering and de-soldering)
- Prepare PCBs for Lab sessions 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

Designed interior and exterior doors by utilising a number of programmes, such as Photoshop, illustrator, AutoCAD, Inventor, and 3DMax software. Maintained company website and updated with latest designs. Accomplished organisational goals and targets by saving many copies of official documents.

Key Accomplishments:

- Liaising with clients to determine their requirements and budget.
 - Manage client proposals from typesetting through to design, print and production.
 - Work with clients, briefing and advising them with regard to design style, and timescales.
 - Prepare rough drafts of material based on an agreed brief.
 - Develop concepts, graphics and layouts for product illustrations, company logos and website.
 - Review final layouts and suggesting improvements if required.
 - Records the financial documents and projects plans using Microsoft Office software Programmes.
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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