**Omar Tamimi**

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**Personal Profile**

I am competent, experienced and self motivated electrical & electronics engineer who has years of experience in the field of design and development. I bring a broad range of skills, ability and experience in relation to the design, research and implementation of electronics & electrical systems. I enjoy working independently and as part of a team, taking initiative and have a mindset capable of handling new challenges.

**Key Skills & Attributes**

* Solid understanding of electronic and electrical principles.
  + Strong mathematical, analytical and problem solving skills.
  + Time management, planning, organizational and decision making skills.
  + Have good spoken and written communication skills.

**Education & Training**

***Msc Microelectronics*** University of Newcastle, UK Sep 2007-Sept 2008

Studied modules: Digital Electronics, Power Electronics, Optical Electronics, Semiconductor Devices, Fabrication Technology, VLSI design, Course-work and Graduation Project.

***Bsc in Electrical Eng*** Palestine Polytechnic University Aug 1997-June 2002

Modules: Electromagnetic Fields, Data Communication, Introduction to Microprocessors, Methods of Scientific Research, Electronics i & ii, Electrical Circuits i & ii, Computer Organization & Architecture, and etc.

**January 2009** Altium Designer Training

**June 2005** *First Aid* Myosotis First Aid Training Services

**August 2004** *Fire Marshal Training* Surrey Fire and Safety LTD

**Employment History**

***June 2009-Present*** *Lecturer at Electrical Engineering Dept.*  ***Najah University***

I currently work as a full time lecturer in the engineering Dept. of Al-Najah universit.

Throughout my teaching career I have taught

* *Electric Circuits* ***I*** *& Electric Circuits* ***II***
* *Electronics & Electric Circuits*
* *Electronics* ***I*** *& Electronics* ***II***
* *Electric Machines*
* *Principles of Scientific Research & Technical Writing*
* *Introduction to Electrical Engineering*
* *Electrical Installations & Safety Procedures*
* *Graduation Projects* ***I*** *&* ***II***
* *Control Systems Lab*
* *Electric circuits & Electronics Lab*
* *Electric Machines Lab*

In addition to the core duties described above, I have also been involved in Assessing student's progress according to given assignments and providing feedback to help them improve.

***October 2008- April 2009*** *Hardware Design Engineer* ***Burnley-Electronics*** *Lancashire-UK*

As a Hardware design engineer I was primarily involved with designing and developing of lighting controller units and data acquisition systems. Technology used included: 8-bit microcontrollers, switched mode power supplies, current and voltage regulators, EMC passive filters and solid state relays.

***September 2003 - August 2007*** *Electronic Design Engineer*  ***MEWW PLC*** *Surrey-UK*

My duties included the following

* Designing and developing analogue circuits including linear and switched-mode power supplies, buck, boost converters, constant current circuits, amplifiers and op-amp circuits.
* Designing and developing digital circuits such as, automatic self test unit which utilizes PIC microcontrollers to test and validate the functionality of fire alarms and emergency lighting systems.
* Optimizing circuit design for full EMC compliant as per British and European standards.
* Writing EMC test reports and documenting of test results.
* Producing design related documentations including design calculation and simulation, schematics and drawings, bill of material, test procedures and technical specifications.
* Designing of schematics, PCB layouts and modifying schematics to reflect design changes.
* Responsible for providing timely technical support to all levels in a dynamic and busy service environment located in the company.

In addition to the core duties described I have also been relied upon to identify areas of the business where improvements could be made, specifically including.

Provided technical support at product launches and trade exhibitions to complement and enforce product sales.

***January 2003-June 2003***  *Developing and testing Engineer*  ***Mackwell***UK

Programming and testing of DC low voltage electrical drives for linear actuators. My role was specifically related to the customization of blank electrical drives to meet customer requirements. For the purpose of this job I had to develop an automated data acquisition system based on 8085 microprocessors to test each drive.

**Computer Skills**

* High level of computer literacy on both PC and Macintosh platforms with extensive experience of (Microsoft Office - Excel, Word, Outlook, Power Point).
* Very familiar with various Microsoft operating systems (e.g. Windows 98/2000/XP/Vista)
* As part of my education and work I became very familiar with the following software: T-subrim, Medici, FEMLAB, Lab View, Dromey-Design, Synapti-CAD, Matlab, Auto-CAD, Embedded-C, Assembly, MPlab-IDE, Proteus VSM, IFS, Xilinx, MATLAB, Tsuprem Medici, Simulink, Concept-Draw and 3D studio Max.

**Personal Details**

* Full and clean driving license.
* Marital State: single.
* Interests and activities include: team sports participation, including basketball, football. Environmental issues, photography, swimming. I also enjoy reading and dining out with friends and family.

**Referees**

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| Dr Nick Coleman (Msc Program Tutor)  Email: [j.n.coleman@ncl.ac.uk](mailto:j.n.coleman@ncl.ac.uk)  Telephone: +44 (0)191 222 7860  Website: <http://www.ncl.ac.uk/eece/elm>  School of Electrical and Computer Engineering Newcastle University, Newcastle upon Tyne | Prof. Marwan Mahmoud  Email: [marwanma@najah.edu](mailto:marwanma@najah.edu)  Telephone: +97(0) 9 2345113 Ext (2332)  Electrical Eng. Faculty  AL-Najah University |