**Sara**

**Sara.368429@2freemail.com**

**PERSONAL PROFILE**

A recent MSc Renewable Energy Engineering graduate from Kingston University London. Moreover, I have BSc degree in Electrical Engineering. My career goal is to become a fully qualified and experienced engineer. During my university years, I enjoyed challenges of complex and demanding work environments. Also other skills were developed during my undergraduate and postgraduate courses. For example, I am able to work independently or as part of a team. As well as gaining a sound knowledge and experience in programming such as C++, micro-controllers, digital systems and signals system. I also have experience dealing with electric circuit boards and the process of building them using specific components. In addition to this, I have been working on various projects that have helped me in understanding some essential electrical and energy concepts. Such projects have established and enhanced my technical skills in the field. I am confident that this role will allow me to use and enhance my analytical skills and knowledge and will provide me with a firm foundation for future work.

**EDUCATION**

(MSc) Renewable Energy Engineering, Kingston University London, United Kingdom, January 2015

– March 2016

(BSc) Electrical Engineering, American University of Sharjah (AUS), United Arab Emirates, August 2008 – January 2013

Al-Ahliya Private School, Sharjah, United Arab Emirates, 2007 – 2008:

* Senior year – Average: 97%
* Math – A\*
* Biology – A\*
* Chemistry – A\*

Al-Ahliya Private School, Sharjah, United Arab Emirates, 2006 – 2007:

* Math – A\*
* Biology – A\*
* Chemistry – A\*
* Physics – A \*

**EXPERIENCE**

Research………………………………………………………………………………………………….

* MSc dissertation project: **Application of renewable energy for water purification and** **desalination**, conducted experimental work using Reverse Osmosis membrane powered withrenewable energy technology, Kingston University London, 2015 – 2016
* Proposal for PV system & Solar Thermal system: Solar Energy Efficient Building, Kingston University London, 2015 – 2016
* Designed and implemented a **medical instrumentation system**, detecting the ECG signal using the Power Lab hardware and chart software
* Senior design project**: Direct detection Analog Optical link using OFDM**, conducted simulation and experimental work for Analog transmission over SMF

Industry………………………………………………………………………………………………….

* **Intern Engineer***,*Electro-Mechanical Contracting Company (PLUTO), Sharjah, United ArabEmirates, July 2012 – August 2012: I worked within the construction department, where I dealt with the load distribution, power transformers, cables and generators.

**ACADEMIC ACTIVITIES AND ACHIEVEMENTS**

* Completed **AUS Library Database search training**, with AUS librarian, February, 2012
* Received the **American University of Sharjah Merit Scholarship**, Academic years: Spring 2010, Fall 2011, and Fall 2012
* Member of the **Institution of Electrical and Electronics Engineering (IEEE)**, 2011 – 2012

**TECHNICAL SKILLS**

Through projects and course works throughout my university years, I have developed multi-tasking and *teamwork skills* as well as the ability to *manage time* effectively. These works have also developed my problem solving skills and my ability to resolve unanticipated difficulties. Example of these works are listed **under Experience as well as Academic Activities and Achievements**

**Computer Skills:**

* WindPRO
* Polysun
* Siemens NX
* AutoCAD
* PSpice
* Matlab
* Visual C++
* Microsoft Office
* Adobe Photoshop

**Languages:**

|  |  |  |
| --- | --- | --- |
|  | English | Fluent |
|  | Arabic | Fluent |

**PERSONAL INTERESTS**

* Environment
* Swimming
* Arts
* Travelling

**References**

Available on request