** Khadeejah ALGhadeer**

7327 ALBasirah ALHAfouf

ALHafofuf 36364-3930

966561672743

[cleopatrax5@hotmail.com](mailto:cleopatrax5@hotmail.com)

https://www.linkedin.com/in/khadeejah-alghadeer-21420039/

**CAREER OBJECTIVE**

I am looking for a job that satisfied my experience with a very good salary in normal environmental conditions

**EDUCATION**

**Louisiana Tech University, Ruston, LA, USA.**

*PhD, Engineering Physics, May 2016*

**Louisiana Tech University, Ruston, LA, USA.**

*Master, Applied physics, Nov 2010*

**ALHassa Education College, ALHasa, Eastern, Saudi Arabia.**

*Bachelor, Physics, Jun 2001*

**PROFESSIONAL EXPERIENCE**

**DOCTORAL WORK, Ruston, LA**

***CaloMonitoring accelorater expert at European Organization for Nuclear Research (CERN), May 2011 - May 2015***

* Modify existing software to correct errors, allow it to adapt to new hardware, or to improve its performance.
* Design, develop and modify software systems, using scientific analysis and mathematical algorithm to predict and measure outcome and consequences of design.
* Determine systems performance standards.
* Analyze information to determine, recommend, and plan computer specifications and layout, and peripheral equipment modification.
* Commit the development to the SVN

***Modeling and Simulation, Jun 2015 - May 2016***

* Perform complex calculations as part of the analysis and evaluation of data, using computers.
* Report experimental results by presenting information at scientific seminar.
* Collaborate with other scientist in the design, development, and testing of experimental.
* Writing an analysis about particle behavior distribution at different phase of the detector.

**MASTER WORK, RUSTON, LA**

**Vector network analyzer expert (Anritsu model 3727D), Dec 2008 - Nov 2010**

* Check antenna positioning to ensure specified azimuths or mechanical tilts and

adjust as necessary.

* Install all necessary transmission equipment components, including antennas or antenna mounts, surge arrestors, transmission lines, connectors, or tower-mounted amplifiers (TMAs).
* Perform acceptance testing on newly installed or updated system.
* Writing an analysis about Radiation pattern and antenna array design at different frequency domain.

**WORK EXPERIENCE**

**ALAYOUN SECONDARY SCHOOL, ALHASA, EASTERN**

***Physics Instructor, Sep 2006 - Dec 2006***

* Teach physics for high school students.
* Prepare course materials such as syllabi, homework assignments, and handouts.
* Plan, evaluate, revise curricula, course content, and course materials and the method of instruction.
* Maintain student attendance records, grades and other required record.
* Maintain regularly scheduled office hours to advise and assist student.
* Select and obtain materials and supplies such as textbooks and laboratory equipment

**Direct English Institute, AlHasa, Eastern**

***Customer Service Representative, Sep 2004 - Jan 2006.***

* Issue shipping instructions and provide routing information to ensure that delivery times and locations are coordinated.
* Review invoices, work orders, consumption reports, or demand forecasts to estimate peak delivery periods and to issue work assignments.
* Arrange for storage facilities when required.
* Keep records of customer interactions or transactions, recording details of inquiries, complaints, or comments as well as action taken.
* Determine charges for service requested, collect deposits or payments, or arrange for billing.
* Check to ensure that appropriate changes were made to resolve customers’ problem

***Laboratory Assistant, Jun 2004 - Aug 2004.***

* Answer user inquiries regarding computer software or hardware operation to resolve problems.
* Train users in the proper use of hardware or software.

**EXPERIENCES AND SKILLS**

**Computer/Research**

* Perform complex calculations as part of the analysis and evaluation of data, using C++, root, Monte Carlo simulation Pythia, Herwig.
* Describe and express observations and conclusions in mathematical terms.
* Analyze data from research conducted to detect and measure physical phenomena.
* Report experimental results by writing papers for scientific journals and by presenting information at scientific conferences.
* Proficient in Microsoft office, Excel, Word, Power Point, Typing English/Arabic, Latex, Matlab.
* Experience in operating system Linux, Windows.

**Cultural/Interpersonal**

* Fluent in Arabic (oral/written), fluent in English.
* Lived in Saudi Arabia, USA, France, and worked in Geneva.

**CONFERENCE AND WORKSHOP**

* Presenting at 7th Workshop of the APS Topical Group on Hadronic Physics(GHP2017) February1-3, 2017 in Washington, DC, USA.
* Presenting at April Meeting 2017 of the American Physical Society (APS) January 28-31, 2017 in Washington, DC, USA.
* Attending the 11th workshop on Applied Antineutrino Physics at the Virginia Tech Research Center December 7-8, 2015 in Arlington, VA, USA.
* Attending Microsoft Cloud Roadshow conference November 2-3, 2015 in Dallas, TX, USA.
* Attending International Linear Collider an Worldwide Event handover ceremony of the Technical Design Report for the International Linear Collider June 12, 2013, Geneva, Switzerland.

**VOLUNTEER EXPERIENCE OR LEADERSHIP**

* Managed and lead fund raising effort for China earth quake at Louisiana Tech University 2011
* Maintain and manage high standard of communication with team members related to the field
* Trained and assisted associates in the field