

Omar Al-Juboori

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OBJECTIVE

Seeking a challenging position as power engineer that utilizes my abilities as well as my educational background and work experience.

EDUCATION

Master of Science, Electrical Engineering

Dec.2016

Gannon University, Erie, PA

GPA 3.66/4.00

Bachelor of Science, Engineering

Jun.2012

Al-Mamon University College, Baghdad, Iraq.

SKILLS

Applications: Microsoft Word, Excel, PowerPoint and Adobe Photoshop.

Technical: MAT Lab, PSpice, PCB Design, AutoCAD, Power World, LabVIEW and, C programming.

Languages: English and Arabic.

STATUS

Eligible to work in the U.S (USA citizen).

ENGINEERING EXPERIENCE

Field Core, Inc/GE, Houston, TX

Nov.2018 - Present

Quality Engineer

- Install and operate x-line 2000R machine (modular machine (metal 3D printing) architecture for automation and innovation).
- I work as a field engineering experienced in setting up, servicing and troubleshooting dual-laser (2000r) and machine line sensors.
- Update QM System software modules also working on CL WRX 2.0 software of x-line 2000R machine.
- Dealing with customer and take care of all the concern that they have.
- Specialized in the Electrical and Inspection field of aerospace line systems. Experience with automation technologies including high-speed sensors, internal and external bus modules, laser system.
- Experience with remote desktop-software, line efficiency reporting tools, GE proprietary Windows based operating systems for automation machine control, SAP Enterprise Resource Planning and Data Management software.
- Mechanical experience with advance hand tools, electric drills and grinders.
- Inspecting and testing the quality of the Xline 2000r equipment by using zero position, rotation, field-testing.

Railing Design, Inc, Erie, PA

Oct. 2016-Sep. 2017

Engineering Designer

- Used AutoCAD system to prepare engineering blueprints.
- Measured field dimensions on construction site visits.
- Researched with the engineering and designing team to draft design specifications and create concept Designs accordingly.
- Designed 2D and 3D illustrations from the technical specifications and architectural plans as per the Sketches approved by engineering team.
- Provided cost estimates and material specifications.
- Communicated with other departments involved in production process to ensure proper execution.
- Revised existing product designs to include advanced features.
- Executed different tests on designed products.

Al-Nahrain Inc, Baghdad, Iraq

2008-2012

Electrical Inspection

- Built, calibrated, maintained, troubleshooter, or repaired electrical instruments or testing equipment.
- Inspected electrical project work for quality control and assurance.
- Identified solutions to on-site technical design problems involving electrical systems equipment.
- Collaborated with electrical engineers or other personnel to identify, define, or solve developmental Problems.
- Supply materials to spindles, conveyors, hoppers, and other feeding devices and unload packaged product.

- Worked with wiring diagrams and schematic diagrams, Drilled holes in specified equipment locations to mount control units or to provide openings for elements, wiring, or instruments.
- Worked with power units by support the integration and testing of electrical and electronic systems at the module, sub-system and system level.

Dora Power Plant Power Operation & Maintenance Project, Baghdad, Iraq,
Electrical Engineer

Jan-Jun. 2013

- Designed, implemented, maintained, and improved electrical instruments, equipment, facilities, Components, products, and systems for commercial, industrial, or domestic purposes.
- Assisted with Interconnect cables and harnessing, Electronic racks, cabinets and control consoles, Power supply selection and application.
- Worked with voltage or current meters, digital voltmeters DVM and voltage testers electronic Measuring probes, current probes and voltage probes.
- Developed ability to recognize current problems and determine probability of future problems.
- Developed Electrical design aspects of printed circuit boards.
- Assisted with testing and troubleshooting electrical and electronic systems.

International Relief & Development, Community Stabilization Program, Baghdad, Iraq
Electrical Engineer

Jun. 2012

- Installed and maintained electrical control systems and knowledge of design tools.
- Maintained AC and DC power distribution systems, Main power distribution panel boards, boxes and cabinets.
- Designed or modified engineering schematics for electrical transmission and distribution systems for Electrical installation in residential, commercial, or industrial buildings.
- Assisted engineers in conducting applied research in electrical engineering.
- Operated the units in power plant and worked with Power supply selection and application.
- Maintained the turbine inside the gas station generator and the transformers.

URUK Engineering and Contracting Company in Taji G.P.S Plant
Electrical Engineer (Pre-Commissioning & Commissioning)

2010- 2011

- Installed and constriction of the substations (400kv, 132kv, 33kv).
- Pre-commissioning and commissioning activities experience.
- Inspection and quality control of various electrical works (manufacturing, erection and Assembly activities).
- Assessed engineering works for different projects.
- Measured the improvement in efficiency and effectiveness.

REVELANT COURSEWORK

Engineer Project & Management
Financial Accounting (McGraw-Hill)
Advanced Engineering Analysis
Instrument Measurement
Modern Control theory

Renewable Energy Integration
Embedded C Programming
Systems Design and Integration
Digital Control
DSP (digital signal processing)

ACADEMIC PROJECTS

Department of Engineering, Gannon University Erie, PA
Digital Control of Two-Link Planar Manipulator

2016

- Developed project with Dr. Sundaram Ramakrishnan
- Designed and programmed Digital Signal Processor system

Department of Engineering, Al-Mamon University College, Baghdad, Iraq
Security System

2012

- Collaborated within a team of two
- Communicated with visiting instructor to identify project parameters
- Designed and programmed laser security system

Curtain System

2011

- Collaborated within a team of two
- Designed automatic solar curtain operator

TEACHING EXPERIENCE

Millcreek Township School District, Erie, PA
Special Education Teacher at Belle Valley School

Oct. 2017-Nov2018

- Develop and implement lesson plans for class of fifth-grade and fourth-grade students with high functioning autism, speech impairment, dyslexia, and other learning disabilities
- Write and administer tests and evaluations adapted to the abilities of each student
- Adapt elementary school curriculum to teach Basic Skills English, Basic Skills Mathematics, Social Studies and help students to solve homework and help students to take a test
- Work with students individually and in groups to promote full academic functioning
- Collaborate with students, parents, special education teachers, para educators, and administrators to help students prepare to become independently functioning adults

Kelly Services, Erie, PA

Feb2017-Oct2017

Teacher/Substitute-Teacher

- Especially adept at identifying the needs of each student
- Developed assignments and prepared tests designed to gauge proficiency
- Offered counseling to students in accordance with district guidelines

Strong Vincent High School, Erie, PA

Aug.2016- Dec.2016

GO College program/Math Tutor

- Advised students regarding course selection and assisted with college applications
- Provided tutoring and support services for students
- Educated students regarding scholarship searches in preparation for college
- Guided students through the SAT/ACT exam process

STEM Center, Gannon University, Erie, PA

Mar. 2016-Dec.2016

Taught

- Taught math and electrical engineering material to graduate and undergraduate students.
- Discussed class text, work solutions to problems and reviewed worksheets and other assignments.
- Researched and recommended textbooks, software, equipment and other learning materials.

HONORS: Penn State Academic Award: Cooperation with Different Culture.