Ahmed Alyousef

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Summary

I aspire for a career that would provide me abundant opportunities for continued growth and learning. A career where my ability, creativity and education are utilized in a way that, my contribution to the organization helps it to get better.

Education

Mechanical Engineering

Southern Methodist University • Dallas, Texas
05/2017

Minor: Mathematics

Grade Point Average: 3.37/4.0

Graduation Projects

Thermal system projects (21/8/2016 to 15/12/2016)

· Calculated the formula to determine how fast a water pump could move water from a pond to a storage tank.

· Designed, conceptually, a piping system that must be able to supply at least 7.5 L/s at once.

· Analyzed a method to determine a heat sink design that would eliminate 22 W of heat in order to more efficiently cool the transistor.

Senior Design Project (21/8/2016 to 10/5/2017)

· Designing a mountable monitor stand that will be compatible with various tablets and computers.

· Responsible for drafting and designing the base and rod for the monitor using the program SolidWorks.

· Working with a team of student mechanical engineers to complete the design with the goal to present to the professor and engineering department administrators.

Experience

Project Engineer I

Honeywell • Dhahran , Eastern Province
09/2017 - Present

·Assist the senior project engineer with the delivery of building automation projects by ensuring engineering process is consistently followed by the engineering team.

·Prepare Engineering Submittal requirements for building automation projects showing BOQ (Bill of Quantity), Valve selection for AHUs (Air Handling Unit), I/O List, materials Datasheets, Load Calculations, sequence of operations, DDC (Direct Digital Control) panels and electrical drawings of BMS.

·Develop BMS Applications & graphics and simulate Application to verify as per approved FDS (Functional Design Specifications) and Control philosophy.

·Support and develop the engineering work within a project in both Software and Hardware as per project specifications.

- Responsible for signing of such checklist covering all aspects of installations, inspection, precommissioning, and commissioning.

- Commissioning of Air Handling Units, Fan Coil Units, Heat Recovery Pumps, Hood Extract Fans, Humidifiers, Exhaust Fans, CO Gas Monitoring Systems.

- Testing and Commissioning, Troubleshooting of Faults, Project related documentation

- Third party systems integrations (MSTP, Modbus, IP controllers).

- Adjust variables, analyze system and processes to ensure the highest quality products are created.

- Perform the calibration and validation requirements of field instruments and systems(Temperature, pressure, and control valves)

- Coordinate interfacing work with other discipline supervisors.

- Prepare a daily report of the work inspected

- Monitor proper implementation of Safety, Health, Environment and Quality Systems within site

- Adjust variables, analyze system and processes to ensure the highest quality products are created.

- Participate actively in site meetings

- Install and configure EBI (Enterprise Buildings Integrator) Platform in Client Server, workstations, and do necessary redundancy servers configuration for establishing communication and control over operations

Technical Skills

- Honeywell Comfort Point Open Studio Software for Building Automation Programming.

- Honeywell CARE-XL5000 Software for XL 10 controllers, FCUs & VAVs..

- AutoCAD for Control Wiring Diagram Designs.

- Microsoft Office (MS Word, Excel, PowerPoint, etc).

- Engineering software (PSpice, MATLAB, LabView, and Solidworks).

Personal Skills

- Ability to work independently or as part of a team.

- Excellent written and verbal communication skills.

- Highly organized and efficient.

Training

- META ProWatch Certified Installer (On-Line) Class

- Farenhyt Certification Training Middle East

- META MaxPro Certified Installer (On-Line) Class

- Honeywell Exceptional Presentation Course

- Nurse Call System

- Building Controls Domain Training Level 1

- Programmable Logic Control

- Access 101: Module 1: What is Access Control?

- ComfortPoint Open EBI Integration

Languages

- Fluent Arabic

- Fluent English as a second language