

AOUS AL NIMA

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Passionate Graduate Teaching Assistant and innovation Development Electrical engineering with program management expertise that is eager to learn.

EDUCATION

MS, ELECTRICAL ENGINEERING

BS, ELECTRICAL ENGINEERING, TEXAS A&M UNIVERSITY

GPA: 3.4 Dean's Honor Roll

EIT No. 68134

Technology Focus:

- DSP-BASED MOTION CONTROL
- ELECTRONIC MOTOR DRIVE
- Electric Transmission System Planning
- PWR SYPT FLT ANLY & PROT
- POWER ELECTRONICS
- Signals & Systems
- Computer Architecture & Design
- NFPA, NEC

CURRENT STUDENT

MAY 2019

SKILLS

- AutoCAD
- MAT LAB
- Python, C++
- ETAB
- EAGLE (PCB)
- R2S

ACTIVITIES

Researched in Microgrid circuit, modeling traditional grid with Microgrid, and large-Scale renewable energies on the grid

Senior design project: Auto Drive Challenge (GM) makes a fully autonomous driving passenger vehicle.

Member, IEEE (Institute of Electrical and Electronics Engineers)

One hundred twelve hours Volunteer peer note-taker for Disability Services at Texas A&M University.

Designed and developed an (ATS) Automatic Transfer Switch to solve a problem at home.

Leadership certificates from AUIS; also, a team lead a group of 10 employees.

Bilingual; English & Arabic

EXPERIENCE

JUN 2019 – PRESENT

ELECTRICAL ENGINEER, WORLEY

BP programs for upgrading and maintaining offshore plate form in the Gulf of Mexico

Projects

- BPGOM Nov 2019 – Present
 - Make improvements in the systems to guarantee functionality and availability during an emergency response and power outage using the latest product (Allen Bradley, Eaton and Siemens).
 - Design and issue a complex drawings and datasheets for a budgetary quote, RFQ+TBE for the new products, according to with client’s specification and safety standards, NEC.
 - Co-lead a project and coordinate with various engineering disciplines to deliver the execution of the integration project.
 - Develop through communication R&D and acquisition execution strategy to inform leadership and help make accurate decisions at program critical reviews.
 - Collaborate with stakeholder technical subject matter expert and peers, to develop requirements and strategy for effective program execution.
- Husky Superior Jun 2019 – Nov 2019
 - Rendered electrical schematics to customer specifications using AutoCAD.
 - Perform a full study for load calculation and develop a solution to improve reliability.
 - Vendor evaluation monthly.

JUN 2017 – MAY 2019

Electrical engineer student at Texas A&M

- [Auto Drive Challenge](#) (Sponsor Project by GM, Intel, and Velodyne)
Make a fully autonomous driving passenger vehicle.
 - Leading cross-functional teams through repair/product investigation and corrective action requests.
 - Investigating product issues and test equipment failures resolving through engineering solutions.
 - Streaming new product integration by updating processes and implementing organizational structures.
 - Guide and choose the best method to deliver specific information, RF Systems.
 - Mentoring fellow engineers and documenting current engineering processes.
 - Did schematic design and analysis use CAD, EAGL for low power PCB.
 - Using rest equipment like oscilloscope, waveform generator.

MAY 2018 – AUG 2018

- Researched in Microgrid circuit, modeling traditional grid with Microgrid
 - Process generation and implementation through cross-function collaboration.
 - Using data analysis to identify opportunities for repair cost reduction and owning projects.
- Designed and developed an (ATS) Automatic Transfer Switch to solve the problem at home.
 - Develop an automated control system for residential buildings.

References:

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