



FAISAL ALJUWAYRAH

Electronics Engineer

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Dammam, Saudi Arabia



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EDUCATION

DEC 2020

Bachelor in Electronics Engineering Technology
Advanced Technology Minor
Industrial Technology Minor
Northern Kentucky University, KY



CERTIFICATIONS:

- Computer-Aided Design/Drafting (CADD)
- Certificate in Manufacturing Processes
- Automated Manufacturing Processes & Systems

SOFT SKILLS

- Teamwork
- Communication
- Research & Strategy
- Problem Solving
- Decision Making

SOFTWARE

- AutoCAD (6 months) 90%
- PTC Creo Parametric (2 years) 90%
- MATLAB (3 months) 90%
- C++ (1 year) 90%
- Fritzing Diagram (1 year) 90%
- HOMER Pro 90%
- Arduino C (2 years) 90%
- Microsoft Office 90%

INDUSTRY KNOWLEDGE

- Soldering (2 years)
- Welding
- DC circuits
- AC Circuits
- PCBs
- Electronic troubleshooting
- Renewable Energy
- Solar systems including MPPT charger + wiring.

HONORS

- Dean's List Spring 2019, Summer 2019
- Collaborative Faculty-Student Project Awards (CFSPA) Aug 2019
- Faculty Project Development Award Spring 2019

EXPERIENCE

UNDERGRADUATE RESEARCH: HIGHLAND HEIGHTS, KY

Research Assistant

Aug 2018 - May 2020

- Study of building solar based smart system focusing on lowering CO2 emissions. Research in wireless data transmission LoRa.
- Prototype, test & build Arduino circuits.

VICE PRESIDENT (SACM SAUDI CLUB): HIGHLAND HEIGHTS, KY

May 2018 - Dec 2019

- Plan & Prepare events for +150 members. Creating activities such as Saudi National Day, Ramadan Gathering, and Saudi Night (FIFA, table tennis, Foosball table). Solving Saudi Cultural Mission student problems including schoolwork, governmental paperwork.

SOLAR SMART SYSTEM: HIGHLAND HEIGHTS, KY

Co-op for Solar Based System, Electronics Lab:

Aug 2020 - Dec 2020

- Worked and coordinated soldering and circuit designs in the Electronics lab. Safety supervision on electronics equipment.
- Designed and created solar based bollard system with various different electronic modules using Arduino.

RAM MOTORS: CINCINNATI, OH

Office Manager/ Salesmen:

Jan 2019 - Aug 2020

- Maintained daily sales records and sent daily/weekly reports to manager.
- Performed credit checks and worked with different financial institutions to assure qualifications for car loans.

COURSES

- **Engineer Innovation Workshops Course, SABIC:**  Simple Java codes build simple apps on different operating systems: Windows & Linux. Robot builds & Programming.
- **Creativity & Innovation, Airbus** 

RESEARCH AND CONFERENCES

"Solar Based Outdoor Smart Lighting System" (Poster Presentation)
2019 Heather Bullen Summer Research Celebration
STEM HS day Celebration for "Fun with Solar Energy Event"

2019 Summer Research Fellowship:

\$3500.00 Grant from Greaves Undergraduate Research Fellowship.