

IBRAHIM MOHSEN

CONTACT

Address : Hoboken NJ 07030

Phone : 646-404-2772

Email : ibrahimmahmoud96@outlook.com

SKILLS

- SolidWorks
- Thermal Analysis
- Engineering Drawings
- CFD
- Communication
- PFMEA
- Microsoft Office
- Quality Control
- Root Cause Analysis
- HVAC/MEP Design
- Machine Design
- FEA and failure analysis
- AutoCAD

CERTIFICATIONS

- **Six Sigma Yellow Belt** - Six Sigma Institute
- **Six Sigma Principles** - University System of Georgia (Coursera)
- **Mechanical Design at the level of Professional** - SolidWorks
- **Advanced Sheet Metal at the level of Professional** - SolidWorks
- **Advanced Mold Making at the level of Professional** - SolidWorks
- **Advanced Surfacing at the level of Professional** - SolidWorks
- **Advanced Weldments at the level of Professional** - SolidWorks
- **Engineer in Training (FE)**

EDUCATION

Master of Science : Mechanical Engineering, 05/2020
South Dakota State University - Brookings, SD
Graduated with 3.5 GPA

Bachelor of Science : Mechanical Engineering, 12/2018
South Dakota State University - Brookings, SD

- Graduated with 3.0 GPA

WORK HISTORY

Mechanical Engineer, 09/2020 to Current
PRG Prototyping - Kansas City, KS

- Sketched outline designs and used SolidWorks to create detailed design and specifications.
- Communicated with clients for product development.
- Created and Updated BOMs for production.

Assistant Quality Engineer, 06/2020 to 10/2020
The consulting Bureau Inc. - Staten Island, New York

- Inspected and packaged products meticulously according to manufacturing specifications.
- Perform sampling and testing, and prepare documentation including measured quantities of component materials and completed work in accordance with the construction contract documents, such as the specifications and construction standard drawings.
- Detected defects while performing pile and welding inspections.

Product Design Engineer - Part Time, 01/2019 to 01/2020
Raven Industries - Brookings, SD

- Successfully designed and manufactured sprayer nozzle testbed and patternator using SolidWorks
- Tested different nozzles to optimize spray pattern and increase efficiency by 10%
- Recommended design modifications to eliminate machine and system malfunctions
- Collaborated with teams to develop and implement product improvements to enhance performance

Maintenance Engineering Intern, 05/2018 to 08/2018
Case Construction - Jeddah, Saudi Arabia

- Reviewed technical documentation to complete equipment maintenance and repair.
- Dismantled defective machines and equipment and installed new or repaired parts.
- Improved processes helping to save department over \$100000 annually.

Student Testing Engineer, 01/2017 to 05/2017
Daktronics - Brookings, SD

- Performed testing on screen frames with different loads and vibration.
- Complied with quality and information security policies and procedures.
- Increased quality of products and efficiency by 10%.