

Michael Brown

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Professional Summary

Dedicated Mechanical Engineer with 6 years of experience in designing and optimizing mechanical systems for industrial applications. Proficient in CAD software and finite element analysis, with expertise in thermodynamics and fluid mechanics. Committed to improving efficiency and safety in manufacturing processes.

Skills

- Software: AutoCAD, SolidWorks, ANSYS
- Engineering: Thermodynamics, Fluid Mechanics, Structural Analysis
- Tools: MATLAB, LabVIEW
- Standards: ASME, ISO 9001
- Project Management: Lean Manufacturing, Six Sigma

Work Experience

Mechanical Engineer IndusTech, Houston, TX Apr 2020–Present

- Designed HVAC systems using AutoCAD, reducing energy consumption by 15%.
- Conducted finite element analysis with ANSYS to optimize component durability.
- Led a team of 3 engineers in a project to streamline production processes, saving \$50,000 annually.

Junior Mechanical Engineer MechWorks, Austin, TX Jul 2018–Mar 2020

- Created 3D models and technical drawings in SolidWorks for industrial machinery.
- Performed thermal analysis to improve system efficiency by 10%.
- Assisted in prototyping and testing of mechanical components.

Education

B.S. in Mechanical Engineering University of Texas, Austin, TX Sep 2014–May 2018

- GPA: 3.9/4.0
- Relevant Coursework: Thermodynamics, Fluid Mechanics, Machine Design

Certifications

- Certified SolidWorks Professional (2021)
- Lean Six Sigma Green Belt (2020)