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About Me

I am a mechanical engineer with expertise in designing, analyzing, and improving mechanical systems. With a strong background in CAD modeling, thermodynamics, and structural analysis, I am dedicated to delivering innovative solutions that enhance efficiency and performance. My hands-on experience in product development and machine design is complemented by a commitment to adhering to industry standards and sustainability. I am a collaborative team player with a passion for problem-solving.

Work Experience

- **Mechanical Engineer**

Innovate Engineering Solutions, 2020 – Present

- Designed and optimized mechanical components for industrial machinery, reducing production costs by 18%.
- Conducted thermal and structural analysis using ANSYS to ensure product reliability.
- Collaborated with cross-functional teams to develop eco-friendly HVAC systems.

- **Graduate Mechanical Engineer**

TechDynamics Inc., 2018 – 2020

- Supported design and prototyping of custom automation equipment.
- Developed 3D CAD models and technical drawings using SolidWorks and AutoCAD.

Skills

- 3D CAD Modeling (SolidWorks, AutoCAD)
- Thermal and Structural Analysis (ANSYS)
- Machine Design
- Manufacturing Processes
- Technical Documentation

Languages

- English
- Spanish