

Leonardo Mullins

Mechanical Engineer PE I

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SUMMARY

Accomplished mechanical engineer with over five years of experience in designing, analyzing, and enhancing complex mechanical systems. Holds a P.E. license and possesses extensive technical knowledge in diverse engineering methodologies. Proficient in applying engineering principles effectively while embracing challenges head-on. Proven record of managing multiple projects efficiently within tight deadlines. Strong collaborator who values teamwork and believes in open communication, establishing lasting partnerships across multidisciplinary teams.

EXPERIENCE

Mechanical Engineer

Innovative Engineering Solutions 📅 January 2022 - Present 📍 Chicago, IL

Responsible for leading projects focused on the design and development of mechanical systems, ensuring compliance with industry standards. Collaborates with diverse teams to understand project goals and drive innovation. Successfully manages timelines and quality benchmarks for project deliverables.

- Directed design efforts for innovative mechanical systems that met rigorous regulatory standards.
- Coordinated with cross-functional teams to analyze system requirements and integrate engineering solutions.
- Executed site evaluations, gauging system performance and identifying opportunities for enhancement.
- Oversaw project budgets, ensuring efficient allocation of resources while maintaining document accuracy.
- Utilized CAD software to create detailed blueprints, refining designs based on iterative testing outcomes.
- Instituted robust testing protocols, validating designs that bolstered product reliability.

Mechanical Engineer

TechnoVista Engineering 📅 June 2018 - December 2021 📍 Aurora, IL

Focused on conceptualizing and analyzing mechanical components for energy infrastructure projects. Drove enhancements that maximized system efficiency through innovative design practices.

- Crafted designs for mechanical components that improved system functionalities within various energy projects.
- Developed comprehensive technical documentation clearly conveying project advancement to stakeholders.
- Conducted regular maintenance procedures, which successfully reduced system downtime by optimizing workflows.
- Collaborated on research initiatives exploring cutting-edge engineering techniques, fostering team creativity.
- Mentored junior engineers, promoting best practices in mechanical design and analytical approaches.
- Ensured compliance with safety standards in all engineering aspects, achieving zero incident records during tenure.

Junior Mechanical Engineer

GreenTech Solutions 📅 March 2016 - May 2018 📍 Naperville, IL

Entered the industry as a Junior Mechanical Engineer engaged in the design and analysis of systems aspiring toward energy efficiency. Gained valuable operational insights and collaborative experience in project execution.

- Supported the design modification process for advancing mechanical systems aligned with energy projects.
- Executed simulations and experimental analyses informing engineering decisions throughout project lifespans.
- Worked closely with project managers to guarantee timely completion of crucial engineering tasks.
- Maintained foolproof documentation of project specifications assisting senior team members in assessments.
- Participated in field inspections verifying installations adhered to design constraints.
- Contributed to proposal development supporting a significant increase in project approvals.

LEADERSHIP & AWARDS

- Recipient of the 'Engineering Excellence Award' for noteworthy contributions to system design in multi-discipline collaboration.
- Honored as 'Employee of the Year' for outstanding dedication to team performance and project delivery.

EDUCATION

Bachelor's Degree in Mechanical Engineering

University of Illinois at Chicago 🎓 GPA: 3.5 📅 2016 📍 Chicago, IL

Coursework: Thermodynamics, Fluid Mechanics, Materials Science, Control Systems

CERTIFICATIONS

- Professional Engineer (PE) License 📅 2021
- Certified Six Sigma Green Belt 📅 2020

TECHNICAL SKILLS

- **Engineering Tools:** AutoCAD, SolidWorks, MATLAB
- **Project Management Tools:** Microsoft Project, Trello, Asana
- **Analysis Software:** ANSYS, COMSOL, LabVIEW
- **Communication Tools:** Slack, Microsoft Teams, Zoom
- **Documentation Tools:** MS Office Suite, Confluence, SharePoint
- **Simulation Software:** Simulink, Mathematica, Fusion 360
- **Testing Equipment:** Multimeter, Oscilloscope, Force Gauges
- **Manufacturing Processes:** CNC Machining, Injection Molding, Additive Manufacturing
- **Quality Assurance Standards:** ISO 9001, ASME Y14.5, CMMI
- **Compliance Regulations:** OSHA Standards, EPA Guidelines, ANSI Standards

SKILLS

- Mechanical Design
- CAD Software
- Project Management
- System Analysis
- Technical Documentation
- Problem Solving
- Team Collaboration
- Blueprint Drafting
- Engineering Analysis
- Field Inspection
- Troubleshooting
- Quality Assurance
- Working Knowledge
- Communication Skills
- Critical Thinking

PROFESSIONAL AFFILIATIONS

- Member of the American Society of Mechanical Engineers (ASME), actively networking with industry professionals.
- Engaged with local community engineering groups focusing on sustainable solutions in urban planning.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST