

Jaxon Green

Mechanical Systems Engineer

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SUMMARY

Mechanical Systems Engineer with over five years of expertise in project management and mechanical engineering design. Skilled in optimizing system performance, managing refurbishment projects, and serving technical support for business development efforts. Strong analytical capability complements a commitment to delivering high-quality outcomes. Proven track record in monitoring energy transfer systems, regulatory compliance, and collaborative problem-solving that earns stakeholder trust. Ready to contribute innovative solutions and enhance operational reliability while fostering teamwork.

EXPERIENCE

Mechanical Systems Engineer

Energy Solutions, Inc. 📅 June 2021 - Present 📍 Denver, CO

Overseeing the technical operations of mechanical systems within urban energy infrastructure, focusing on client success and operational efficiency.

- Led monitoring and troubleshooting of energy transfer station systems, enhancing reliability and efficiency.
- Designed and managed refurbishment projects for energy transfer stations, ensuring adherence to budgets and timelines.
- Collaborated with business teams during feasibility assessments, directly influencing project viability.
- Prepared comprehensive operating summaries and reports tailored for customer review and internal analysis.
- Conducted metered data evaluations supporting accurate billing processes and informed forecasting for performance.
- Interfaced with local regulatory agencies, maintaining compliance across diverse operational initiatives.

Project Engineer

GreenTech Innovations 📅 April 2018 - May 2021 📍 Boulder, CO

Managed diverse mechanical engineering projects from inception through execution, emphasizing strategic planning and customer satisfaction.

- Directed multiple mechanical engineering projects, significantly improving system processes and integration strategies.
- Formulated project plans, schedules, and budgets, aligning stakeholder expectations throughout engineering efforts.
- Provided comprehensive technical analysis in support of key business pursuits, bolstering proposal strength.
- Assisted in distribution system street work planning, facilitating clarity across multi-functional collaborations.
- Executed systematic troubleshooting and repairs for mechanical systems following stringent safety regulations.
- Developed training resources for junior engineers, promoting knowledge sharing on mechanical best practices.

Junior Mechanical Engineer

Mechanical Dynamics, LLC 📅 January 2016 - March 2018 📍 Fort Collins, CO

Supported senior engineers in developing and analyzing mechanical systems primarily for energy transfer applications.

- Aided in designing and evaluating mechanical systems to optimize energy transfer application performance.
- Contributed to detailed project documentation, informing feasibility studies and producing impactful technical reports.
- Engaged deeply in hands-on troubleshooting, refining control systems for peak efficiency and effectiveness.
- Researched industry best practices, advancing process improvements at organizational levels.
- Participated in compliance audits, endorsing safety adherence across various operational scenarios.
- Collaborated within cross-functional teams, driving enhancements in project outputs and customer satisfaction.

LEADERSHIP & AWARDS

- Certified Project Management Professional (PMP), 2022
- Microsoft Office Specialist - Excel, 2021

EDUCATION

Bachelor's Degree in Mechanical Engineering

University of Colorado Boulder 🎓 GPA: 3.6 📅 2015 📍 Boulder, CO

Coursework: Fluid Mechanics, Thermodynamics, Control Systems, Structural Analysis

CERTIFICATIONS

- Certified Project Management Professional (PMP) 📅 2022
- Microsoft Office Specialist - Excel 📅 2021

TECHNICAL SKILLS

- **Mechanical Engineering Software:** AutoCAD, SolidWorks, MATLAB
- **Project Management Tools:** MS Project, Trello, Asana
- **Data Analysis Tools:** Excel, SPSS, R
- **Energy Management Systems:** Building Automation, SCADA, BMS
- **Collaboration Platforms:** Slack, Microsoft Teams, SharePoint
- **Documentation Standards:** ISO 9001, ASME Y14.5, ASTM D6007
- **Testing Equipment:** Pressure Testers, Flow Meters, Data Loggers
- **Communication Tools:** Outlook, Zoom, Google Meet
- **Troubleshooting Techniques:** Root Cause Analysis, FMEA, Fishbone Diagram
- **Safety Protocols:** OSHA Standards, NFPA, ISO 45001

SKILLS

- Mechanical Systems Design
- Project Management
- Data Analysis and Reporting
- Regulatory Compliance
- Microsoft Excel and Office Suite
- Technical Communication
- Feasibility Studies
- Performance Optimization
- Troubleshooting Mechanisms
- Collaboration Skills
- Budget Management
- Energy Transfer Applications
- Documentation Preparation
- Stakeholder Engagement
- Process Improvement

PROFESSIONAL AFFILIATIONS

- American Society of Mechanical Engineers (ASME)
- Society of Automotive Engineers (SAE)

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST