



Svetlana Greer

Principal Product Design Engineer

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SUMMARY

Accomplished Principal Product Design Engineer with a decade of experience in electro-mechanical product design and development. Passionate about driving innovation and creating market-responsive solutions. Demonstrated success leading projects from concept through high-volume production, including the research and prototyping of advanced interconnect technologies. Proven capability to communicate complex technical information effectively across diverse teams. Committed to fostering growth in others while maintaining a focus on collaborative success. Always eager for new learning experiences and knowledge application, ensuring alignment with customer expectations.

EXPERIENCE

Principal Product Design Engineer

Tech Innovations LLC 📅 June 2021 - Present 📍 Chicago, IL

In this role, led innovative product design and development efforts focusing on electro-mechanical systems, contributing significantly to project and organizational success. Responsible for guiding project teams from initial concept to full-scale production while addressing pressing industry challenges.

- Spearheaded development of high-speed cable and connector systems, improving efficiency substantially and enhancing product competitiveness.
- Collaborated tightly with engineering and manufacturing teams to prototype emerging technologies, increasing project turnaround times by streamlining workflows.
- Drove creation of impactful intellectual property surrounding new technology, aligning with organizational goals for innovation and market leadership.
- Mentored junior engineers extensively, cultivating a supportive team environment that encourages shared knowledge and skills enhancement.
- Compiled detailed product specifications and rigorous testing documents tailored to align with stringent customer requirements and regulatory standards.
- Orchestrated cost-reduction strategies that led to a notable decrease in production costs through intelligent and effective design optimizations.

Senior Product Design Engineer

Engineering Solutions Inc. 📅 April 2016 - May 2021 📍 Naperville, IL

Oversaw critical advancements in product design and system implementation, serving a key role in evolving technological frameworks while elevating user satisfaction levels.

- Directed the design and development of advanced electro-mechanical systems, achieving improved reliability metrics and higher customer ratings.
- Employed Finite Element Analysis (FEA) and GD&T methodologies strategically to ensure material durability, resulting in significant reductions of field failure rates.
- Engaged deeply in researching emerging technologies and manufacturing techniques, successfully rolling out methods that shifted production processes positively.
- Fostered collaboration between marketing and product teams to sculpt responsive project scopes, harmonizing product roadmaps with real-world market needs.
- Delivered compelling technical presentations, garnering stakeholder agreement on ambitious product strategies aimed at dominating industry niches.
- Designed comprehensive training platforms for new hires that facilitated swift onboarding and deeper integration into projects.

Product Design Engineer

Advanced Engineering Corp. 📅 March 2012 - March 2016 📍 Schaumburg, IL

Successfully contributed to design initiatives and improvements in cross-functional teamwork to advance overall production capabilities and throughput.

STRENGTHS

- 💡 **Innovative Thinking**
Constantly push boundaries with unique ideas and approaches, cultivated an inventive mindset through challenging projects.
- ⚙️ **Technical Expertise**
Mastered complex tools like FEA, empowering better design results, enhancing both efficiency and end-user satisfaction.
- 👥 **Team Collaboration**
Built strong bridges between teams to foster successful ventures; connections grew with great communication and joint planning.
- ★ **Leadership Development**
Committed time to mentoring peers; witnessed growth during guidance which led to greater project outcomes and morale.
- ☰ **Project Management Skills**
Expertly executed numerous projects with precision, aligning details from initiation through completion noted for dependability.

SKILLS

Finite Element Analysis (FEA)

Geometric Dimensioning and Tolerancing (GD&T)

Advanced parametric 3D CAD

Product Development

Project Management

Cross-Functional Collaboration

Injection Molding

Cost Reduction Strategies

Prototype Development

Intellectual Property Generation

Electrical Engineering

Quality Assurance Processes

Technical Communication

Research Methodologies

Problem Solving

Mentoring and Coaching

LANGUAGES

English Native

Russian Proficient

MY CAREER



● Principal Product Design Engineer at Tech Innovations LLC (5 Years)

● Senior Product Design Engineer at Engineering Solutions Inc. (5.1 Years)

● Product Design Engineer at Advanced Engineering Corp. (4 Years)

- Executed designs and tests for various electro-mechanical components, securing essential compliance certifications across multiple standards.
- Partnered with manufacturing groups to reengineer production lines, overseeing a marked increase in operational output and throughput efficiencies.
- Managed timelines across simultaneous projects without compromising quality, fortifying the organization's reliability within often demanding schedules.
- Partook in continuous professional development through relevant workshops, instantly applying new methods to ongoing engineering tasks.
- Revolutionized communication pathways among project collaborators by instituting routine updates and collective brainstorming sessions.
- Contributed actively to product line expansions, enabling wider market capture and boosting company positioning amid competitors.

LEADERSHIP & AWARDS

- Recognized as 'Engineer of the Quarter' for outstanding performance in project execution at Tech Innovations LLC, Q1 2023.
- Awarded 'Innovation Champion' at Engineering Solutions Inc. for introducing transformative processes impacting productivity, 2020.

EDUCATION

Bachelor's Degree in Mechanical Engineering

University of Illinois at Urbana-Champaign 🎓 GPA: 3.7 📅 2011 📍 Urbana-Champaign, IL

Coursework: System Dynamics, Thermodynamics, Fluid Mechanics, Material Science

CERTIFICATIONS

- Certified Six Sigma Green Belt 📅 2025
- Advanced CAD Techniques 📅 2024

TECHNICAL SKILLS

- **CAD Tools:** SolidWorks, AutoCAD, CATIA
- **Analysis Software:** ANSYS, COMSOL Multiphysics, MATLAB
- **Manufacturing Processes:** Injection Molding, Die Casting, CNC Machining
- **Quality Control Tools:** Six Sigma, Statistical Process Control, Root Cause Analysis
- **Collaboration Platforms:** Microsoft Teams, Slack, Asana
- **Project Management Tools:** JIRA, Trello, Microsoft Project
- **Prototyping Tools:** 3D Printing, Rapid Prototyping Techniques, Injection Molding
- **Testing Equipment:** Load Cells, Tensile Testing Machines, Pressure Sensors
- **Regulatory Standards:** ISO 9001, ASTM International, ASME
- **Research Tools:** Secondary Research, Survey Development, Experimental Design

PROFESSIONAL AFFILIATIONS

- Member of the Society of Automotive Engineers (SAE) since 2015, participating in local committee activities.
- Active participant in the American Society of Mechanical Engineers (ASME), focusing on panel discussions and workshops.

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST