

ROBERT MILLER

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PROFESSIONAL SUMMARY

Experienced Mechanical Engineer with 6 years of expertise in product design and development. Skilled in CAD modeling, prototype testing, and manufacturing processes. Strong problem-solving abilities and attention to detail.

WORK EXPERIENCE

SENIOR MECHANICAL ENGINEER

Northwest Engineering Solutions, Seattle, WA | September 2019 - Present

- Design and develop mechanical components and systems for industrial equipment
- Create detailed CAD models and technical drawings using SolidWorks
- Perform stress analysis and finite element analysis on critical components
- Collaborate with cross-functional teams to ensure design meets all requirements
- Develop and maintain technical documentation for products

MECHANICAL ENGINEER

Pacific Manufacturing, Portland, OR | July 2016 - August 2019

- Designed mechanical components for consumer products
- Created prototypes and conducted performance testing
- Analyzed test data and recommended design improvements
- Assisted in troubleshooting manufacturing issues
- Prepared technical reports and presentations for management

ENGINEERING INTERN

Innovation Design Group, Portland, OR | May 2015 - June 2016

- Assisted senior engineers with CAD modeling and drafting
- Participated in product testing and data collection
- Helped maintain engineering documentation

- Supported the team in research and development activities

EDUCATION

Master of Science in Mechanical Engineering

University of Washington, Seattle, WA | 2015

Bachelor of Science in Mechanical Engineering

Oregon State University, Corvallis, OR | 2013

SKILLS

- CAD Design (SolidWorks, AutoCAD)
- Mechanical System Design
- Finite Element Analysis
- Product Development
- Technical Documentation
- Project Management
- Problem Solving
- Manufacturing Processes

CERTIFICATIONS

- Certified SolidWorks Professional (CSWP)
- Six Sigma Green Belt