

Bodhi Beard

Industrial Engineering Co-Op

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STRENGTHS

-  **Analytical Thinking**
Applied analytical skills fueled innovations leading to substantial process improvements, showcased during impactful presentations.
-  **Collaboration**
Build strong relationships within teams, earning trust and fostering effective discussions around complex engineering challenges.
-  **Problem-Solving**
Identified inefficiencies across iterative projects, proposing effective and meaningful solutions supported by research.
-  **Data Analysis**
Transformed data sets into strategic insights for actionable decisions ensuring smooth process executions and improvements.
-  **Presentation Skills**
Communicated complex information clearly to diverse audiences, receiving recognition for engaging delivery and clarity.

SKILLS

- Lean Manufacturing Data Analysis
- Microsoft Excel Process Mapping
- Problem Solving
- Team Collaboration
- Workflow Analysis
- Statistical Analysis
- Capacity Planning
- Root Cause Analysis
- Continuous Improvement
- Agile Methodologies
- Project Documentation

SUMMARY

Enthusiastic Industrial Engineering student experienced in process optimization, data analysis, and collaboration within team projects. Developed a solid understanding of Lean Manufacturing principles while actively participating in various challenging academic initiatives. Proven analytical skills were exhibited through time studies and operational performance assessments that led to enhanced productivity and workflow improvements. Supportive contributions to group efforts resulted in streamlined operations and valuable insights for decision-making. Eager to leverage practical knowledge and problem-solving abilities while supporting continuous improvement initiatives at Innovative Engineering Solutions.

EDUCATION

Bachelor's Degree in Industrial Engineering

University of South Carolina  GPA: 3.6  2027  Columbia, SC

Coursework: Process Improvement, Data Analysis, Lean Manufacturing, Operations Management

TECHNICAL SKILLS

- Data Analysis Tools:** Excel, Minitab, Python
- Manufacturing Principles:** Lean Manufacturing, Six Sigma, Kaizen
- Collaboration Software:** Google Workspace, Slack, MS Teams
- Reporting Tools:** Tableau, Power BI, Google Data Studio
- Technical Writing:** User Manuals, Process Documents, Technical Reports
- Modeling Software:** AutoCAD, SolidWorks, Arena Simulation
- Project Management:** Asana, Trello, JIRA
- Presentation Software:** PowerPoint, Keynote, Prezi
- Research Methods:** Surveys, Interviews, Case Studies
- Performance Metrics:** KPI Dashboards, Scorecards, RACI Charts

EXPERIENCE

Industrial Engineering Student

University Project  January 2026 - Present  Columbia, SC

Support various engineering initiatives focused on continuous improvement by conducting time studies and analyzing processes. Collaborated with peers to implement efficient workflow strategies using Lean methodologies that improve project outcomes and result in measurable enhancements. Developed standard work instructions guiding operational clarity and benchmarking project deliverables. Evaluated effective capacity planning measures aimed at optimizing production workflows. Prepared comprehensive presentations detailing insights and recommendations based on operational findings.

- Conducted comprehensive time studies and process mapping for manufacturing simulations, identifying potential efficiency gains.
- Analyzed operational data using Microsoft Excel to support continuous improvement initiatives in academic settings.
- Collaborated with peers to design and implement Lean Manufacturing methodologies within case study projects.
- Developed standard work instructions and process documentation that enhanced project clarity and execution.
- Assisted in simulating capacity planning scenarios, evaluating labor analysis for optimal production strategies.
- Presented findings and recommendations in group presentations, demonstrating effective communication skills.

Process Optimization Developer

Course Project  September 2025 - December 2025  Columbia, SC

LANGUAGES



MY CAREER



- Industrial Engineering Student at University Project (7 Months)
- Process Optimization Developer at Course Project (3 Months)

Focused on waste reduction strategies through team collaborations on real-time simulations targeting production efficiencies. Utilized statistical analysis tools to gather insights from data that drove important decisions impacting process efficiency. Created systematic reports articulating project conclusions while integrating actionable steps for future implementations. Facilitated workshops encouraging creative dialogue among classmates, fostering innovative engineering solutions aligned with industry practices.

- Led a team project focused on waste reduction strategies within a simulated production environment.
- Utilized statistical analysis tools to interpret data, driving evidence-based decisions for process enhancements.
- Created detailed reports summarizing project outcomes and presenting actionable recommendations.
- Engaged in root cause analysis to identify inefficiencies and propose viable solutions for operational challenges.
- Facilitated workshops with classmates to explore innovative engineering solutions and methodologies.
- Documented project progress in a comprehensive report, showcasing analytical and organizational abilities.

Efficiency Improvement Team Member

Hackathon Participant 📅 April 2025 📍 Columbia, SC

Participated in a collaborative hackathon where innovative concepts around manufacturing enhancements were developed under intense time constraints. Employed Lean principles to assess bottlenecks during prototyping sessions while focusing on iteration for effective solutions. Effectively communicated project goals and results to a panel, receiving commendations for creativity and feasibility. Engaged actively with data visualization techniques enhancing insights shared with stakeholders involved.

- Collaborated with a diverse team during a 48-hour hackathon to develop a prototype focusing on manufacturing efficiency.
- Employed Lean principles to identify process bottlenecks and devise strategies for improvement.
- Presented the prototype to a panel of judges, receiving positive feedback for innovation and feasibility.
- Engaged in rapid prototyping and iteration, enhancing technical skills and teamwork.
- Gained experience with data visualization tools to communicate project insights effectively.
- Contributed to a project that was recognized for its potential impact on real-world manufacturing practices.

LEADERSHIP & AWARDS

- Dean's List, University of South Carolina (2025)
- Best Presentation Award, Engineering Department (2025)

CERTIFICATIONS

- Lean Six Sigma Yellow Belt 📅 2026
- Microsoft Excel for Data Analysis 📅 2026

PROFESSIONAL AFFILIATIONS

- Member, Engineering Student Association (2024 – Present)
- Participant, University Coding Competition (2025)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST