

Bodhi Beard

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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

2027

University of South Carolina GPA: 3.6

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

SKILLS

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

EXPERIENCE

Industrial Engineering Student

January 2026 - Present

University Project

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

September 2025 - December 2025

Course Project

Columbia, SC

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

April 2025

Hackathon Participant

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)

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST