

Ryan Harris

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SUMMARY

Dedicated industrial engineering student experienced in optimizing manufacturing processes through hands-on projects and studies. Proven ability to design effective layouts for manufacturing facilities while conducting detailed time analyses that enhance overall efficiency. A collaborative team player, known for strong communication skills and a commitment to problem-solving. Eager to support innovative initiatives within the manufacturing sector to improve workflows and productivity.

EDUCATION

Bachelor of Science in Industrial Engineering 2027
University of Miami GPA: 3.5 Miami, FL
Coursework: Manufacturing Processes, Lean Manufacturing, Time Studies, Ergonomics

TECHNICAL SKILLS

- Project Management Tools:** Trello, Asana, JIRA
- Simulation Software:** AnyLogic, FlexSim, ProModel
- Design Tools:** AutoCAD, SolidWorks, Visio
- Data Analysis Tools:** Excel, Python, MATLAB
- Communication Tools:** Slack, Microsoft Teams, Zoom
- Research Standards:** IEEE Paper Formatting, APA Style, ISO Guidelines
- Statistical Tools:** SPSS, Minitab, R
- Manufacturing Standards:** ISO 9001, Six Sigma, HAZOP
- Productivity Tools:** Microsoft Office Suite, Google Workspace, Evernote
- Collaborative Platforms:** Miro, Confluence, Notion

SKILLS

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|--------------------------|----------------------|-----------------------------|---------------------|
| • Lean Manufacturing | • Team Collaboration | • Presentation Skills | • Ergonomics |
| • Time Studies | • Problem Solving | • Documentation Development | • Layout Design |
| • Microsoft Office Suite | • Process Simulation | • Workflow Optimization | • HVAC Fundamentals |
| • Value Stream Mapping | • Data Analysis | • Research Methodologies | |

EXPERIENCE

Industrial Engineering Intern January 2026 - Present
University Project Miami, FL

Intern responsible for designing layouts and improving operational processes in simulated environments, enhancing workflow efficiencies across projects. Collaborates with teams to apply analytical insights and lean strategies, ensuring project goals align with Best Practices.

- Designed a comprehensive layout for a simulated manufacturing facility, enhancing workflow efficiency by 20%.
- Conducted detailed time studies to evaluate process efficiencies, identifying key areas for improvement.
- Applied lean manufacturing principles in project simulations, resulting in optimized production lines.
- Collaborated with peers to develop presentations showcasing findings and recommendations.
- Utilized Microsoft Visio for value stream mapping, enhancing visual communication of project outcomes.
- Engaged in iterative feedback sessions to refine project strategies and improve team collaboration.

Process Improvement Analyst September 2025 - December 2025
Course Project Miami, FL

Analyzed manufacturing processes through case studies, focusing on waste reduction and productivity enhancement. Demonstrated ability to implement innovative solutions effectively within collaborative academic settings.

- Analyzed existing manufacturing processes in a case study, proposing actionable recommendations that reduced waste.
- Implemented simulation tools to model process changes and assess potential impacts on productivity.
- Developed documentation outlining project methodology and results for academic evaluation.
- Participated in peer reviews to enhance project quality and provide constructive feedback.

- Presented findings to faculty, receiving commendations for clarity and thoroughness.
- Collaborated with classmates to foster a team-oriented environment, enhancing learning outcomes.

Manufacturing Systems Research Assistant

January 2025 - August 2025

Academic Research

Miami, FL

Supported research focused on ergonomics in manufacturing environments, contributing to knowledge advancements through data analysis and industry collaboration.

- Assisted in research oriented towards ergonomics in manufacturing environments, analyzing various data points.
- Developed presentations summarizing research outcomes and implications for industry practices.
- Supported the design of experiments to test new manufacturing tools, contributing to data collection and analysis.
- Collaborated with faculty on publications aimed at advancing knowledge in industrial engineering.
- Engaged with industry professionals to gather insights on current manufacturing challenges and solutions.
- Contributed to lab sessions focusing on practical applications of theoretical concepts.

LEADERSHIP & AWARDS

- Dean's List, University of Miami, Fall 2025
- Best Presentation Award, Industrial Engineering Symposium, Spring 2026

CERTIFICATIONS

- Lean Six Sigma Yellow Belt 📅 2026
- OSHA Safety Certification 📅 2026

PROFESSIONAL AFFILIATIONS

- Member, Industrial Engineering Society, University of Miami
- Volunteer, STEM Outreach Program for High School Students

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST