

Elijah Freeman

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SUMMARY

Recent graduate with a Bachelor of Science in Industrial Engineering, focused on process optimization and enhancing production efficiency. Demonstrated proficiency applying industrial engineering principles through collaborative academic projects and internships. Experienced utilizing Lean Manufacturing techniques and simulation tools to improve operational performance. Committed to contributing positively within teams and achieving organizational excellence.

EXPERIENCE

Industrial Engineering Intern

University Project

January 2026 - May 2026

Tempe, AZ

- Supported redesign efforts for a local manufacturer’s production line layout, contributing to overall workflow optimization and task organization.
- Collaborated effectively with a team on redesigning a production line layout, enhancing workflow efficiency.
 - Developed and executed a Lean Manufacturing strategy resulting in reduced assembly time during simulations.
 - Analyzed proposed scheduling improvements using ProModel, evaluating impacts on production output thoroughly.
 - Conducted analytical time studies revealing bottlenecks, generating actionable recommendations in a detailed report.
 - Created clear documentation for assembly instructions, fostering standard operating procedures for new equipment.
 - Presented comprehensive findings to stakeholders, earning commendation for presentation clarity and insightful conclusions.

Research Assistant

Academic Research

September 2025 - December 2025

Tempe, AZ

- Engaged in research pinpointing productivity influences stemming from workflow design within low-volume manufacturing contexts, providing foundational insights.
- Coordinated research efforts evaluating how workflow design affects productivity outputs.
 - Leveraged data analysis software for compilation of findings, laying groundwork for a conference research paper.
 - Actively participated in team discussions ensuring alignment with academic research goals.
 - Developed visual aids, such as charts and presentations, to share research results with peers and faculty.
 - Mentored fellow students on methodologies, deepening comprehension of project requirements.
 - Contributed practical insights through lab experiments aimed at improving assembly processes via Six Sigma methods.

LEADERSHIP & AWARDS

- Dean’s List, Arizona State University (2024, 2025)
- Outstanding Student Project Award, Industrial Engineering Department (2026)

EDUCATION

Bachelor's Degree in Industrial Engineering

Arizona State University

GPA: 3.7

2026

Tempe, AZ

Coursework: Operations Research, Quality Control, Process Design, Production Management

CERTIFICATIONS

- Lean Six Sigma Green Belt 📅 2026
- Certified Engineering Technician 📅 Expected 2026

TECHNICAL SKILLS

- **Statistical Software:** SPSS, Minitab, MATLAB
- **Project Management Tools:** Trello, Asana, Microsoft Project
- **Design Tools:** AutoCAD, SolidWorks, CATIA
- **Simulation Software:** ProModel, AnyLogic, Arena
- **Data Visualization Tools:** Tableau, Power BI, Google Data Studio
- **Manufacturing Technologies:** CNC Machining, 3D Printing, Injection Molding
- **Programming Languages:** Python, JavaScript, R
- **Methodologies:** Lean Manufacturing, Six Sigma, Agile
- **Quality Control Standards:** ISO 9001, ISO 14001, TS16949

- **ERP Systems:** SAP, Oracle ERP, Microsoft Dynamics

SKILLS

- Lean Manufacturing
- Project Management
- Quality Assurance
- Mathematical Modeling
- Process Improvement
- Workflow Design
- Assembly Procedures
- Standard Operating Procedures
- Data Analysis
- Capacity Planning
- Time Studies
- Operational Efficiency
- ProModel
- Simulation Techniques
- Manufacturing Systems
- Cost Reduction Strategies

PROFESSIONAL AFFILIATIONS

- Member, Engineering Student Association (2024 – Present)
- Volunteer, Local Food Bank (2025 – Present)

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST