

Juan Colon

Industrial Engineer I

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STRENGTHS

-  **Team Collaboration**
Fostered collaborative environments across project teams, enhancing productivity and morale.
-  **Strategic Planning**
Drove the development of detailed plans, aligning resources with long-term goals and initiatives.
-  **Presentation Skills**
Crafted engaging presentations that clearly communicated complex ideas to diverse audiences.
-  **Analytical Thinking**
Applied critical thinking to analyze data, leading to actionable insights and process improvements.
-  **Problem Solving**
Managed team efforts to resolve challenges effectively, gaining departmental recognition for innovative solutions.

SKILLS

- Operational Planning
- Value Stream Analysis
- Simulation Software
- Project Management
- Database Management
- Team Leadership Data Analysis
- Manufacturing Processes
- Capital Equipment
- Strategic Development
- Forecasting
- Laboratory Techniques
- Continuous Improvement
- Collaboration Tools

SUMMARY

Enthusiastic Industrial Engineer with five years of professional experience in operational planning and strategy execution. Expertise includes managing capital equipment projects, performing value stream analyses using simulation software, and database management for business demand forecasting. Proven capability to lead diverse teams while providing clear presentations to executive stakeholders. Ready to build effective relationships within departments and drive growth as part of a dynamic team.

EDUCATION

Bachelor of Science in Engineering

University of Colorado Denver  GPA: 3.8  2026  Denver, CO

Coursework: Engineering Fundamentals, Systems Design, Operations Management, Process Analytics

TECHNICAL SKILLS

- Project Management Tools:** Trello, Asana, JIRA
- Simulation Software:** AnyLogic, Arena, Simul8
- Database Management Tools:** SQL, Access, Oracle Database
- Communication Tools:** Slack, Microsoft Teams, Zoom
- Forecasting Software:** Microsoft Excel, Minitab, Tableau
- Engineering Software:** AutoCAD, SolidWorks, MATLAB
- Presentation Tools:** PowerPoint, Google Slides, Prezi
- Documentation Tools:** Confluence, SharePoint, OneNote
- Risk Management Tools:** RiskWatch, GRC Software, SmartRisk
- Quality Assurance Methods:** Six Sigma, Root Cause Analysis, FMEA

EXPERIENCE

Capstone Project Developer

University Project  August 2025 - Present  Denver, CO

Leading a capstone project focused on enhancing operational efficiency within a simulated manufacturing setting. Collaborates with a team of peers to evaluate processes and implement solutions.

- Developed strategic roadmaps resulting in projected output improvements.
- Conducted project evaluations leading to effective capital equipment decisions.
- Led a peer team analyzing value streams using simulation software to identify bottlenecks.
- Created impactful presentations detailing project milestones and outcomes.
- Refined methodologies in partnership with faculty, aligning with industry practices.
- Held regular meetings to track progress and ensure timely delivery.

Research Assistant

Academic Research  January 2025 - May 2025  Denver, CO

Supported research initiatives through data collection and analysis, focusing on forecasting business demands and improving operational strategies.

- Assisted in developing databases for forecasting business needs in research projects.
- Performed factory simulations identifying areas for operational enhancement.
- Contributed to conference papers elevating team visibility and academic collaboration.
- Participated in strategic discussions outlining goals for future research efforts.
- Maintained organized documentation of research findings and activities.
- Cultivated relationships with academic staff and fellow researchers.

Lab Assistant

Student Lab  September 2024 - December 2024  Denver, CO

Risk Assessment

Workflow Optimization

LANGUAGES

English Native

Spanish Proficient

MY CAREER



- Capstone Project Developer at University Project (1 Years)
- Research Assistant at Academic Research (4 Months)
- Lab Assistant at Student Lab (3 Months)

Facilitated hands-on engineering experiences, preparing materials and mentoring students in lab settings.

- Prepared equipment and materials facilitating practical learning during lab sessions.
- Coached peers through troubleshooting challenges during experimentation.
- Recorded experimental results contributing to comprehensive lab reports.
- Assured laboratory safety by adhering to protocols and maintaining organization.
- Engaged in mentorship supporting peers in grasping complex engineering theories.
- Collaborated in lab team meetings focused on improvement and innovations.

LEADERSHIP & AWARDS

- Dean's List, University of Colorado Denver – 2025
- Best Capstone Project Award – 2026

CERTIFICATIONS

- Lean Six Sigma Green Belt 📅 2025
- Certified Engineering Technician (CET) 📅 2026

PROFESSIONAL AFFILIATIONS

- Member, Engineering Student Association – 2024-Present
- Volunteer, STEM Outreach Program – 2025-Present

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST