

Juan Colon

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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

2026

University of Colorado Denver GPA: 3.8

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

SKILLS

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

EXPERIENCE

Capstone Project Developer

August 2025 - Present

University Project

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

January 2025 - May 2025

Academic Research

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

September 2024 - December 2024

Student Lab

Denver, CO

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

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST