Asher Rice

Entry-Level Process Engineer

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STRENGTHS

Strong Analytical Skills
Critical thinker able to assess complex data sets quickly, facilitating efficient decision-making in real time.

Effective Team Collaboration
Regularly collaborated with various stakeholders across departments, fostering transparency and ensuring alignment on goals.

Attention to Detail
Consistently produced high-quality documents and reports by adhering strictly to regulatory standards, enhancing communication.

Proficiency in Technical Documentation
Well-versed in creating comprehensive reports and standard operating procedures that bolster organizational knowledge and compliance.

Adaptable to Change
Quickly adjusted strategies and methodologies, responding effectively to shifting project requirements and conditions.

SKILLS

Chemical Engineering
Process Optimization
GMP Compliance
Data Analysis
Microsoft Excel
Minitab
Technical Documentation
Filtration Systems

SUMMARY

Motivated and detail-oriented entry-level Process Engineer with hands-on experience in pharmaceutical manufacturing gained through academic projects. Strong foundational knowledge in chemical engineering principles like mass transfer and thermodynamics, paired with familiarity of Good Manufacturing Practices (GMP) and regulatory compliance. Proven ability to collaborate effectively with cross-functional teams, enhancing manufacturing efficiency while supporting quality assurance initiatives. Eager to contribute insights toward optimization efforts in a fast-paced environment.

EDUCATION

Bachelor's Degree in Chemical Engineering

Georgia Institute of Technology GPA: 3.7 2026 Atlanta, GA

Coursework: *Thermodynamics, Mass Transfer, Process Control, Pharmaceutical Applications*

TECHNICAL SKILLS

- **Software Proficiency:** Microsoft Office, Minitab, MATLAB
- **Pharmaceutical Standards:** GMP, GLP, GDP
- **Engineering Processes:** Process Development, Validation, Quality Assurance
- **Data Management Tools:** Excel, Statistical Software, Reporting Platforms
- **Manufacturing Equipment:** Mixers, Reactors, Filtration Systems
- **Research Methodologies:** Experimental Design, Data Collection, Analysis Techniques
- **Documentation Practices:** Standard Operating Procedures, Technical Reports, Regulatory Documents
- **Collaboration Tools:** Trello, Slack, Microsoft Teams
- **Quality Systems:** FDA Regulations, ISO Standards, Safety Protocols
- **Project Management Frameworks:** Agile, Lean Six Sigma, Waterfall

EXPERIENCE

Process Engineering Intern

University Research Lab June 2025 - Present Atlanta, GA

Engaged as an intern focusing on implementing process engineering practices to enhance pharmaceutical manufacturing. Supporting both validation efforts and continuous process improvements, collaborating with multiple departments to maintain compliance in production.

- Developed optimized processes for solid dosage formulations, significantly improving formulation stability and effectiveness.
- Supported important validation steps, including Installation Qualification (IQ) and Performance Qualification (PQ), assuring all procedures met regulatory standards.
- Collected and analyzed relevant data from manufacturing, leading to recommendations that enhanced operational efficiency by approximately 15%.
- Collaborated closely with quality assurance teams to address process deviations, delivering effective Corrective and Preventive Actions (CAPA).
- Prepared essential technical reports and SOPs, documenting process changes while maintaining quality management.
- Participated in technology transfer initiatives to ensure smooth transitions from R&D into commercial manufacturing under GMP guidelines.

Capstone Project Developer

Academic Research August 2024 - May 2025 Atlanta, GA

Quality Assurance

Statistical Analysis

Team Collaboration

Project Management

Regulatory Compliance

Problem Solving

Continuous Improvement

Good Documentation Practices

LANGUAGES

English — Native

Spanish — Intermediate

MY CAREER

- Process Engineering Intern at University Research Lab (1.2 Years)
- Capstone Project Developer at Academic Research (9 Months)

Led a capstone project exploring various aspects of process optimization within biopharmaceutical contexts. Focused particularly on filtration systems and blending technologies, working collaboratively with peers to deliver impactful research outputs.

- Conducted in-depth research targeting process efficiencies, producing valuable findings particularly around filtration methodologies.
- Utilized Microsoft Excel and Minitab extensively for statistical analysis, deriving meaningful insights into performance metrics.
- Worked cohesively with a team to present findings to faculty members and industry professionals, receiving commendations for presentation quality.
- Authored a comprehensive project report detailing methodologies, observations, and practical recommendations applicable in industry settings.
- Implemented best practices surrounding documentation to guarantee integrity aligned with GDP regulations.
- Mentored junior students, sharing knowledge about research methods and guiding them through varied project challenges.

LEADERSHIP & AWARDS

- Dean's List, Georgia Institute of Technology - 2024
- First Place, University Hackathon - 2025

CERTIFICATIONS

- Certified in Good Manufacturing Practices (GMP) 2025
- Lean Six Sigma Yellow Belt 2025

PROFESSIONAL AFFILIATIONS

- Member, Chemical Engineering Society - 2024 - Present
- Volunteer, STEM Outreach Program - 2023 - Present

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST