Asher Rice

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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 2026

Georgia Institute of Technology GPA: 3.7 *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

SKILLS

- Chemical Engineering
- Process Optimization
- GMP Compliance
- Data Analysis
- Microsoft Excel
- Minitab
- Technical Documentation
- Filtration Systems
- Quality Assurance
- Statistical Analysis
- Team Collaboration
- Project Management
- Regulatory Compliance
- Problem Solving
- Continuous Improvement
- Good Documentation Practices

EXPERIENCE

Process Engineering Intern

June 2025 - Present

University Research Lab *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

August 2024 - May 2025

Academic Research *Atlanta, GA*

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

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST