Harrison Wilkerson

Junior Manufacturing Engineer

(215) 555-0123 harrison.wilkerson@example.com linkedin.com/in/harrisonwilkerson Philadelphia, PA 19103

STRENGTHS

Adaptable Problem Solver
Quickly resolved manufacturing-related challenges in high-pressure environments, boosting team performance during critical projects.

GMP Focused
Ensured full regulatory compliance in every step of project development, gaining trust from multidisciplinary professionals working together.

Collaborative Team Player
Actively engaged in knowledge sharing within diverse teams, fostering a culture of continuous learning and mutual support.

Effective Communicator
Transmitted complex ideas simply to stakeholders, establishing clear paths toward enhanced workflow integration and problem resolutions.

Detail Oriented
Focused on precision in maintaining BMRs and SOPs, capturing vital information essential for compliance and product quality assurance.

SKILLS

GMP Compliance

Process Validation

Troubleshooting

Batch Manufacturing Records

Lean Manufacturing | Six Sigma

Data Analysis | Team Collaboration

Change Control | CAPA Activities

Equipment Qualification

SUMMARY

Recent graduate with a Bachelor's degree in Biomedical Engineering and hands-on experience through academic projects and internships. Skilled in process validation, troubleshooting, and ensuring compliance with GMP regulations. Demonstrated strong analytical and problem-solving abilities in collaborative settings across multi-disciplinary teams. Committed to contributing effectively to continuous improvement initiatives within the life sciences sector. Experience in preparing Batch Manufacturing Records (BMRs) and Standard Operating Procedures (SOPs) underscores readiness for tackling challenges and driving innovation in pharmaceutical manufacturing.

EXPERIENCE

Biomedical Engineering Intern

University Project January 2026 - July 2026 Philadelphia, PA

Supported development of novel drug formulations and optimization of manufacturing processes while ensuring adherence to GMP standards.

- Collaborated with faculty and peers on experiments to ensure product integrity in compliance with regulatory guidelines.
- Prepared and reviewed Batch Manufacturing Records (BMRs) and Standard Operating Procedures (SOPs), contributing to process documentation.
- Troubleshot various manufacturing issues promptly, improving overall project efficiency.
- Helped validate laboratory equipment by following documented protocols such as IQ/OQ/PQ, enhancing operational capacity.
- Coordinated change control and CAPA activities, fostering organizational compliance with regulatory frameworks.

Student Research Assistant

University Research Lab September 2025 - December 2025 Philadelphia, PA

Assisted in research focusing on quality systems in pharmaceutical manufacturing, exploring Lean Manufacturing concepts and practice applications.

- Engaged in data analysis and documentation, strengthening experimental procedures and outcomes understanding.
- Participated in weekly team meetings, fostering collaboration on regulatory compliance topics and laboratory practices enhancements.
- Presented research findings at a university symposium, receiving acclaim for contribution from peers and faculty.
- Developed comprehensive reports that provided insightful recommendations shared across departments for future reference.

LEADERSHIP & AWARDS

- Dean's List, University of Pennsylvania (2024-2026)
- Recipient of the Engineering Excellence Scholarship (2025)

EDUCATION

Bachelor's Degree in Biomedical Engineering

University of Pennsylvania GPA: 3.8 2026 Philadelphia, PA

Coursework: *Biomaterials, Process Control, Quality Systems, Pharmaceutical Engineering*

Quality Systems | Analytical Skills

Communication Skills

Regulatory Compliance

LANGUAGES

English — Native

Spanish — Intermediate

MY CAREER

- Biomedical Engineering Intern at University Project (6 Months)
- Student Research Assistant at University Research Lab (3 Months)

CERTIFICATIONS

- Lean Six Sigma Yellow Belt 2026
- GMP Certification - Online Course 2026

TECHNICAL SKILLS

- **Manufacturing Processes:** API Manufacturing, Formulation Processes, Process Validation
- **Quality Assurance Tools:** SOPs, BMRs, CQAs
- **Regulatory Standards:** FDA Regulations, GMP Compliance, ISO Standards
- **Analysis Techniques:** Statistical Analysis, Data Documentation, Experimental Design
- **Continuous Improvement Methodologies:** Lean Manufacturing, Six Sigma Principles, Operational Excellence Practices
- **Project Management Tools:** Trello, Microsoft Project, JIRA
- **Collaboration Platforms:** Microsoft Teams, Slack, Zoom
- **Technical Documentation Software:** Microsoft Office Suite, Google Workspace, Visio
- **Validation Protocols:** IQ, OQ, PQ, CAPA
- **Engineering Software:** MATLAB, SolidWorks, ANSYS

PROFESSIONAL AFFILIATIONS

- Member, Biomedical Engineering Society (2024-Present)
- Volunteer, Engineering Outreach Program (2025)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST