

Vivian Pearson

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SUMMARY

Pursuing a degree in Biomedical Engineering with practical experience in quality control and product testing. Skilled in developing testing protocols under regulatory frameworks, ensuring documentation is thorough and compliant. Experienced in collaborating across diverse teams, especially international ones, to align on corporate standards. Engaged in root-cause analysis for customer complaints, reinforcing commitment to product quality and satisfaction. Contributed to process improvement initiatives that significantly enhanced product compliance and quality metrics. Driven to leverage engineering principles within a progressive healthcare environment.

EDUCATION

Bachelor's Degree in Biomedical Engineering

2027

University of Illinois at Chicago GPA: 3.8

Chicago, IL

Coursework: Medical Device Design, Quality Assurance, Product Testing, Regulatory Compliance

TECHNICAL SKILLS

- **Testing Protocols:** ASTM, FDA, EPA
- **Quality Tools:** SPC, FMEA, CAPA
- **Software Tools:** MATLAB, Minitab, Excel
- **Collaboration Tools:** Slack, Microsoft Teams, Zoom
- **Data Analysis Tools:** Statistical Software, SPSS, R
- **Documentation Standards:** ISO 9001, GMP, GLP
- **Project Management Tools:** Trello, Asana, JIRA
- **Presentation Tools:** Microsoft PowerPoint, Google Slides
- **Safety Standards:** OSHA, CDC, FDA Guidelines
- **Healthcare Regulations:** HIPAA, FDA, ISO

SKILLS

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|--------------------------------|------------------------|--------------------------|--------------------------|
| • Quality Assurance | • Team Collaboration | • Research Methodologies | • Complaint Resolution |
| • Regulatory Compliance | • Problem Solving | • Documentation Skills | • Engineering Principles |
| • Testing Protocol Development | • Product Evaluation | • Process Improvement | • Cross-Functional Work |
| • Data Analysis | • Customer Interaction | • Statistical Software | • Compliance Standards |

EXPERIENCE

Quality Assurance Intern

June 2025 - August 2026

University Project

Remote

Supported quality assurance processes within an academic setting. Focused on testing medical devices and aligning them with FDA and ASTM requirements. Designed testing parameters and documentation strategies, ensuring research outputs met high standards.

- Conducted rigorous tests on medical devices for compliance with industry standards.
- Developed comprehensive testing protocols tailored to regulatory specifications.
- Collaborated in establishing future documentation procedures for medical records.
- Investigated and resolved customer feedback efficiently, maintaining stakeholder satisfaction.
- Authored detailed reports summarizing tests and evaluations to support decision-making.
- Contributed to ongoing process improvements, enhancing overall product quality.

Biomedical Engineering Research Assistant

September 2025 - May 2026

University Research Lab

Chicago, IL

Engaged actively in biomedical research while supporting quality assurance methodologies. Fostered collaboration among various university departments to document important findings and analyses effectively.

- Participated in research aimed at elevating quality assurance practices in medical devices.
- Assisted with developing industry-compliant testing requirements.
- Worked alongside cross-functional teams to present findings on product efficacy.
- Employed statistical analysis software to validate data from tests, ensuring reliability.
- Aided in creating essential regulatory documents concerning research outcomes.
- Helped maintain laboratory standards, fostering a safe work environment conducive to compliance.

Team Leader - Quality Improvement Initiative

March 2026

Hackathon Project

Chicago, IL

Led a team initiative during a hackathon focusing on enhancing healthcare product testing techniques, driving innovative solutions through collaboration and effective communication.

- Directed a project that aimed to refine and accelerate medical device testing methodologies.
- Developed unique frameworks for rapid evaluation reflective of current healthcare challenges.
- Engaged extensively with mentors to clarify project goals and structured deliverables.
- Presentations garnered significant attention, highlighting the innovation associated with our strategies.
- Effectively documented findings to bolster understanding and implementation of the new processes.
- Facilitated sharing sessions within the team to develop critical quality assurance skills.

LEADERSHIP & AWARDS

- Dean's List, University of Illinois, 2025
- First Place, UIC Engineering Hackathon, 2026

CERTIFICATIONS

- Fundamentals of Quality Control  2026
- FDA Regulatory Affairs Certificate  2026

PROFESSIONAL AFFILIATIONS

- Member, Biomedical Engineering Society, 2025 - Present
- Volunteer, UIC 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