



Bianca Mueller

Biomedical Technician

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SUMMARY

Compassionate Biomedical Technician with over two years of experience diagnosing and repairing medical devices, excelling in the Infusion and Respiratory sectors. Proven ability to troubleshoot technical issues and enhance service quality through strong communication. Effective mentor who improves junior technicians' skills, leading to collaborative success. Committed to continuous learning and adapting to new technologies while maintaining high levels of professionalism. Passionate about leveraging technical competencies to impact patient outcomes positively and support operational efficiency in healthcare environments.

EXPERIENCE

Biomedical Technician

University Research Lab 📅 January 2025 - Present 📍 Pittsburgh, PA

Supported a diverse suite of biomedical devices focusing on Infusion and Respiratory systems in a university research setting. Engaged with faculty to ensure optimal functioning of equipment and fostered an environment for growth among undergraduate students.

- Diagnosed and repaired an extensive range of biomedical devices, focusing on functionality and reliability.
- Collaborated with faculty members on preventive maintenance tasks, actively ensuring all lab operations remain seamless.
- Mentored and trained undergraduate students on essential technical skills, significantly enhancing their understanding of biomedical technology.
- Created comprehensive training materials for new technicians, streamlining onboarding and competency development.
- Assisted in resolving complex device malfunctions, ultimately contributing to improved lab research productivity.
- Maintained meticulous records of repairs and routine maintenance in the lab database, promoting compliance with safety regulations.

Biomedical Technician Intern

TechMed Innovations 📅 June 2024 - December 2024 📍 Pittsburgh, PA

Gained hands-on experience by assisting senior technicians in diagnosing and servicing various biomedical devices, which solidified foundational knowledge in the field.

- Contributed to troubleshooting efforts alongside experienced technicians, honing diagnostic capabilities.
- Participated in testing and calibrating medical devices, aligning with established operational protocols.
- Offered customer support by addressing technical inquiries, thus fostering positive client relationships.
- Documented repair actions in detail, aiding in the establishment of robust service records for future reference.
- Helped manage inventory levels of medical supplies, ensuring all equipment remained in peak operating condition.
- Engaged in training sessions covering emerging biomedical technology trends, utilizing newfound knowledge to enhance service effectiveness.

LEADERSHIP & AWARDS

- Dean's List, University of Pittsburgh (2024, 2025)
- Recipient of the Biomedical Engineering Scholarship (2024)

EDUCATION

Bachelor's Degree in Biomedical Engineering

STRENGTHS

- ⚙️ **Technical Proficiency**
Demonstrated expertise in diagnosing and repairing advanced medical devices, increasing lab efficiency.
- 👩 **Mentorship Skills**
Actively guided junior technicians, helping them grow and build confidence in their abilities.
- ✂️ **Operational Efficiency**
Ensured smooth lab operations through effective preventive maintenance practices and organization.
- 💬 **Customer Relations**
Cultivated strong relationships with clients via clear communication, boosting satisfaction and trust.
- ✍️ **Attention to Detail**
Maintained accurate records and reported details, ensuring compliance with industry standards and safety.

SKILLS

Technical Troubleshooting

Biomedical Device Repair

Preventive Maintenance

Customer Communication

Database Management

Team Mentorship Problem Solving

Electronics Knowledge

Equipment Calibration

Fluidics Systems Understanding

Safety Compliance

Conflict Resolution

Time Management

Documentation Skills

Client Relationship Building

Pneumatic Systems Familiarity

LANGUAGES

English Native

Spanish Intermediate

MY CAREER



- Biomedical Technician at University Research Lab (1.6 Years)
- Biomedical Technician Intern at TechMed Innovations (6 Months)

University of Pittsburgh 🎓 GPA: 3.7 📅 2026 📍 Pittsburgh, PA
Coursework: Medical Device Design, Bioinformatics, Electronic Health Records, Clinical Engineering

CERTIFICATIONS

- Certified Biomedical Equipment Technician (CBET) 📅 2026
- Basic Life Support (BLS) 📅 2025

TECHNICAL SKILLS

- **Diagnostic Tools:** Oscilloscope, Multimeter, Calibrator
- **Data Management Software:** Microsoft Access, SQLite, OpenEMR
- **Biomedical Technologies:** Infusion Pumps, Ventilators, Enteral Feeding Devices
- **Testing Standards:** ISO 13485, IEC 60601, FDA Guidelines
- **Communication Tools:** Email, Teams, Phone Systems
- **Maintenance Protocols:** Routine Checks, Safety Inspections, QC Analysis
- **Training Methodologies:** Hands-on Workshops, E-Learning Modules, Onboarding Sessions
- **Emergency Procedures:** Crisis Management Plans, Incident Response Strategies, Emergency Training
- **Process Improvement Techniques:** Lean Principles, Six Sigma, Root Cause Analysis
- **Regulatory Compliance Standards:** HIPAA, JCAHO, CMS Regulations

PROFESSIONAL AFFILIATIONS

- Member, Biomedical Engineering Society, University of Pittsburgh
- Volunteer, Health Outreach Program, Pittsburgh

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST