Layla Cole

Entry-Level Biomedical Equipment Engineer

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STRENGTHS

Collaborative Problem Solver
Actively engaged with peers during projects, building rapport and promoting teamwork that facilitated smoother project execution.

Technical Proficiency
Developed a keen understanding of biomedical equipment systems, becoming a reliable resource for troubleshooting and support amongst colleagues.

Effective Communication
Successfully articulated complex ideas during presentations, gaining positive feedback from professors and stakeholders alike.

Proactive Learner
Volunteered for additional responsibilities in projects, demonstrating eagerness to expand skill sets and knowledge base.

Detail-Oriented
Carefully documented processes and outcomes, contributing to reduced errors and improved future training programs.

SKILLS

Biomedical Equipment Maintenance

Technical Support | User Training

Equipment Calibration

Project Management

Data Analysis | Collaboration

Problem Solving

Interpersonal Skills

Communication

SUMMARY

Motivated recent graduate with a Bachelor's degree in Biomedical Engineering, possessing hands-on experience through academic projects and internships. Skilled at providing technical support and training for medical equipment, enhancing operational efficiency in clinical environments. Proven ability to collaborate effectively with healthcare professionals, ensuring equipment is utilized correctly and maintained properly. Excited to join Bio-Medical Solutions, using expertise to contribute to patient care improvements and safe medical practices. Dedicated to continuous learning and making impactful contributions through cooperative team efforts.

EDUCATION

Bachelor of Science in Biomedical Engineering

University of Southern California GPA: 3.8 2025 Los Angeles, CA

Coursework: *Biomechanics, Medical Instrumentation, Electronics, Biological Systems*

TECHNICAL SKILLS

- **Medical Device Regulations:** ISO 13485, IEC 60601, FDA guidelines
- **Biomaterials Knowledge:** Polymers, Metals, Ceramics
- **Software Tools:** AutoCAD, MATLAB, SolidWorks
- **Diagnostics Instruments:** MRI, CT Scan, X-ray Machines
- **Calibration Equipment:** Multimeters, Oscilloscope, Test Equipment
- **Quality Control Methods:** Statistical Process Control, Six Sigma, Gage R&R
- **Patient Monitoring Technologies:** ECG, Pulse Oximeters, Blood Glucose Meters
- **Data Analysis Software:** SPSS, Python, Excel
- **Engineering Concepts:** Fluid Dynamics, Thermodynamics, Mechanical Design
- **Team Collaboration Tools:** Slack, Microsoft Teams, Dropbox

EXPERIENCE

Biomedical Equipment Intern

University Research Lab June 2025 - August 2026 Los Angeles, CA

Supported routine maintenance and calibration of medical devices for research applications. Engaged in training lab personnel on correct equipment usage and operational standards. Collaborated closely with researchers to troubleshoot and resolve biomedical equipment issues, contributing valuable insights that enhanced project timelines and ensured compliance with safety regulations.

- Maintained and calibrated instruments in line with established safety protocols.
- Assisted in training sessions for staff, improving their confidence in handling complex devices.
- Worked alongside research teams to identify equipment malfunctions, implementing swift solutions.
- Conducted inspections and reported on equipment status to maintain optimal operation levels.
- Documented key procedures refining training materials for future reference and usability.
- Participated in regular assessments, sharing feedback that drove performance enhancements.

Biomedical Device Development Team Member

Capstone Project January 2025 - May 2025 Los Angeles, CA

Contributed as part of a cohesive team developing a prototype for an innovative portable medical device aimed at better patient monitoring. Actively involved in user testing phases, documenting meaningful insights for design adaptation. Emphasized collaborative presentation strategies to

Analytical Thinking

Research Techniques

Time Management | Device Testing

Documentation

LANGUAGES

English — Native

Spanish — Proficient

MY CAREER

- Biomedical Equipment Intern at University Research Lab (1.2 Years)
- Biomedical Device Development Team Member at Capstone Project (4 Months)

communicate findings effectively to faculty.

- Played a role in designing a functional prototype based on real-world healthcare needs.
- Conducted extensive testing and evaluation, providing analytical feedback that drove enhancements.
- Gathered user experience inputs to reinforce product development decisions.
- Presented project outcomes, receiving commendation for clarity and innovation presented.
- Utilized engineering software for modeling, improving accuracy throughout the design process.
- Drafted documentation summarizing project insights and implementation strategies.

LEADERSHIP & AWARDS

- Dean's List, University of Southern California - 2023, 2024
- First Place, University Hackathon - 2025

CERTIFICATIONS

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

PROFESSIONAL AFFILIATIONS

- Member, Biomedical Engineering Society
- Volunteer, Community Health Fair - Provided education on medical device safety and usage.

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST