BRADLEY BUTLER

Software Engineer

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(484) 894-8563
Denver, CO 80204

EDUCATION

Bachelor of Science
Biomedical Engineering; Minor: Mechanical Engineering
University of Maine - Orono
2019

SKILLS

- Software Development
- Web Application Development
- Software Architecture
- Network Maintenance
- Network Troubleshooting
- Database Management
- Project Coordination
- Strategic Planning & Execution
- Cross-Functional Collaboration
- Performance Optimization
- Process Improvement

CERTIFICATIONS

- Springboard Software Engineering Career Track
- Philips PICIX & MX Series Patient Monitoring Systems
- CITI Health Information Privacy and Security (HIPS) for Students and Instructors
- CITI Introduction to Biosafety Certification
- OSHA Personal Protective Equipment Training
- Social & Behavioral Research
- OSHA Bloodborne Pathogens

CAREER OBJECTIVE

Dynamic and certified professional with a strong passion for coding, debugging, and software development. Proficient in leveraging multiple programming languages, including HTML, CSS, JavaScript, Node, React, Python, Flask, SQL, and Postgresql, with expertise in database management, cloud computing technologies, and system architecture design. Capable of staying abreast of industry trends to drive continuous improvement and provide high-quality software products within deadlines. Potential for overseeing front-end and back-end development, with a keen understanding of web frameworks and database management systems. Equipped with analytical and problem-solving skills and the ability to collaborate with cross-functional teams for ongoing professional growth.

PROJECTS

Cryptocurrency Portfolio Tracker

https://pt-render-y25d.onrender.com (Ongoing production)

WORK EXPERIENCE

Clinical Engineering Technician

Intermountain Health

2020 - current Denver, CO

- Executed routine maintenance and precise calibration on diverse medical devices, ensuring regulatory compliance and optimal safety standards.
- Troubleshoot patient monitoring networks and equipment malfunctions, diagnose technical issues, and implement corrective actions to minimize downtime and ensure uninterrupted patient care.
- Conduct quality assurance inspections and testing on medical equipment and systems, while verifying compliance with regulatory requirements, such as FDA regulations and hospital accreditation standards.
- Gained practical knowledge in medical equipment, such as various pumps, temperature regulation systems, patient monitors, telemetry networks, baby incubators, surgical software, and other tools encountered during on-call duties.
- Completed comprehensive training in Philips MX400-800 Patient Monitoring and Philips PICiX Software Biomed Overview to improve patient care and equipment reliability.
- Elevated from Tech I to Tech II through consistent performance and expanded skill set.

Research Assistant

University of Maine - Virtual Environment Multimodal Interactions Lab

2015 - 2019 Orono, ME

- Assessed products and offered constructive feedback to companies for product improvement and customer satisfaction.
- Explored human-technology interaction by designing and implementing various experiments for optimized user experience.

- Training for Investigators, Staff and Students Handling Biohazards
- Vemi Lab R&D Experience

- Analyzed the efficiency of virtual reality-driven medical training regimens and bolstered learning outcomes.
- Gathered contextual data for experiments to inform research decisions and improve experimental outcomes.
- Conducted tours for various stakeholders, including prospective employees and government representatives to showcase organizational excellence.
- Acquired proficiency in technical writing and expertise in research and development process for effective documentation and successful project outcomes.
- Crafted grant proposals for the Center for Undergraduate Research to secure funding for innovative research projects.
- Facilitated human-technology interaction by creating a haptic interface for enhanced user engagement.