Dayona Pennington

Biomedical Engineer

dayona.pennington@gmail.com
(863) 304-1645
123 Aurora St, Anchorage, AK 99503

Education

Bachelor of Science in Biomedical Engineering at University of Alaska Anchorage, AK

Sep 2018 - May 2022

Relevant Coursework: Biomechanics, Biomaterials, Medical Imaging, Biomedical Instrumentation, Cellular and Molecular Engineering, Systems Physiology, Biomedical Signal Processing, and Tissue Engineering.

Links

linkedin.com/in/dayonapennington

Skills

- Biomaterials
- Tissue Engineering
- Biomechanics
- Bioinstrumentation
- Medical Imaging
- Neural Engineering
- Genomics

Languages

- English
- Hindi

Profile

Dedicated Biomedical Engineer with 1 year of experience in designing, developing, and maintaining medical equipment and devices. Proficient in biomedical research, data analysis, and quality assurance. Strong problem-solving skills, excellent communication abilities, and a commitment to improving patient care through innovative engineering solutions. Passionate about staying current with industry advancements and eager to contribute to a dynamic team.

Employment History

Biomedical Engineer at Alaska Biomedical Engineering, AK

May 2023 - Present

- Developed a novel diagnostic device that increased the efficiency of patient testing by 35% at Alaska Biomedical Engineering, reducing wait times and improving patient outcomes.
- Implemented a new medical imaging system that enhanced image resolution by 20%, enabling more accurate diagnosis and treatment for over 2,000 patients per year in AK.
- Led a team that designed and optimized a prosthetic limb system, increasing user satisfaction rates by 25% and successfully fitting over 500 amputee patients in Alaska with improved mobility and comfort.

Associate Biomedical Engineer at Arctic Biomedical Engineering, AK

Aug 2022 - Apr 2023

- Led the development and successful launch of a novel medical device that improved patient outcomes by 25% and generated over $2 million in revenue within the first year.
- Streamlined the manufacturing process for a key product line, resulting in a 15% reduction in production costs and a 20% increase in overall efficiency.
- Collaborated with a multidisciplinary team to secure a $1.5 million research grant for the advancement of innovative biomedical technologies, contributing to Arctic Biomedical Engineering's growth and reputation within the industry.

Certificates

Certified Biomedical Equipment Technician (CBET)

Jan 2022

Certified Clinical Engineer (CCE)

Sep 2020

Memberships

1. **Biomedical Engineering Society (BMES)**