RACHEL SLAYTER

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SUMMARY

Motivated biomedical engineering graduate with a functional knowledge of engineering principles and work experience with medical device design as well as strong leadership, interpersonal, and organizational skills seeking to apply my abilities in the field of medical device manufacturing.

EDUCATION

University of Texas Southwestern Medical Center, Dallas, TX
Master of Prosthetics and Orthotics **December 2014**
GPA: 3.73

Texas A&M University, College Station, TX
B.S. in Biomedical Engineering **May 2013**
Magna Cum Laude, GPA 3.84

EXPERIENCE

University of Texas Southwestern Medical Center, Dallas, TX
Resident Orthotist **January 2015 – December 2015**

- Design and fabricate custom orthopedic medical devices according to patient specifications to support ambulation and provide spinal control
- Provide comprehensive patient care including interviewing, documentation, multitasking, and active communication with a cross-functional allied health care team
- Troubleshoot technical issues and provide repair and service to medical devices
- Conduct clinical research study with pediatric participants in collaboration with the Texas Scottish Rite Movement Science Laboratory.

Texas A&M University, College Station, TX
Undergraduate Research Assistant **February 2011 – May 2013**

- Research study with the Bone Biomechanics Laboratory under a NASA grant to study long-term effects of microgravity on bone strength
- Perform pQCT evaluation and mechanical testing on rat tibia and femur
- Assembly and statistical analysis of quantitative data from extensive animal studies

Texas Scottish Rite Hospital for Children, Dallas, TX
Biomechanics Research Intern **June 2012 – August 2012**

- Summer internship in the Biomechanical Engineering research and development (R&D) department assisting with numerous human and animal studies
- Design, fabrication, and evaluation of devices for children with limb deficiencies
- Develop prototype of device to measure baseball pitch kinematics using SolidWorks

SPECIAL TRAINING

- SolidWorks 3D design software
- AutoCAD
- ISO 13485 Course, FDA Quality System
- Design of Medical Devices Course
- MATLAB, LabView
- Proficient with machine shop instruments
- Experience with stainless steel and titanium alloys for medical devices