

Alexandra F. Stowe

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EDUCATION

University of Connecticut, Storrs, CT

Master of Science in Biomedical Engineering, *Concentration*: Clinical Engineering Expected May 2019

Cumulative GPA: 4.04

Bachelor of Science in Biomedical Engineering, *Minor*: Materials Science Engineering May 2016

Cumulative GPA: 3.23

PROFESSIONAL EXPERIENCE

Geisinger, Danville, PA

(August 2017- Present)

Clinical Engineer

- Evaluates device inventory of over 75,000 for opportunities to improve the validity of the data
- Participated in the creation of a routine equipment replacement plan and device replacement recommendations at various levels of the organization
- Performs regular market analyses for devices requested by clinical customers
- Participated in multi-floor nurse call replacement project
- Carried out project to collect network data from all eligible devices in a 100-bed hospital
- Perform service contract analysis for a variety of devices in order to identify opportunities to convert contracts to in-house service
- Completes clinical rotations in a variety of areas including ICUs, Radiology, and the Operating Rooms
- Participated in creation, training and rollout of new CMMS
- Participates in efforts to identify device models to standardize on at various levels of the health system
- Perform preventative maintenance, incoming inspections and repairs on medical devices

Medtronic, Post Market Vigilance, North Haven, CT

(August 2016- July 2017)

Quality Control Technician

- Using failure analysis techniques to investigate failures in medical device field returns
 - Identify root cause of clinical failures and communicate the root causes to complainants
 - Create investigation reports based on medical and technical review of complaints
 - Report all complaints to competent authorities (MDR)
 - Identify trends in complaint and failure codes
 - Initiate corrective and preventative actions for trending failures

UConn Health Center, Institute for Regenerative Engineering, Farmington, CT (April 2015-May 2016)

Undergraduate Researcher under the leadership of Dr. Cato Laurencin

- Researching and developing a closed loop, sterile, rapid stem cell isolation system
 - Goal: treat cartilage degeneration (osteoarthritis) and fast track FDA approval process
 - Acquired skills: navigating FDA regulations; literature & patent searches; preparing weekly progress presentations and final presentations of project data; designing experimental procedures, brainstorming innovative design ideas
 - Awards: First Place UConn Project Demonstration Day (April 2016)

Skills:

Basic Networking Certification | Technical Writing | Capital Planning | Vendor Relations | Contract Analysis
Strategic Thinking | Root Cause Analysis | Labview | Microsoft Office Suit | SolidWorks | MatLab

PROFESSIONAL AFFILIATIONS

Association for the Advancement of Medical Instruments (AAMI), American College of Clinical Engineering (ACCE), New England Society of Clinical Engineers (NESCE)