

MEGAN MORRISSEY

Biomedical Engineering graduate student seeking Summer 2021 internship



EDUCATION

2020–
Current

Tufts University

MS Candidate in Biomedical Engineering and Innovation & Management

📍 Medford, MA

2016–
2020

Union College

B.S. in Biomedical Engineering

📍 Schenectady, NY



EXPERIENCE

Summer
2019

Biorealize

Biodesign Intern

📍 Philadelphia, PA

- Biodesign engineer focused on hardware, project management and bioapplication development for Biorealize's B | reactor
- Performed lab work testing bioapplications and support for field testing. Work included manufacturing media as well as performing spectrometer testing, dilutions, and general lab maintenance

Summer
2018

Merck Co., Inc.

Operations Intern

📍 Westpoint, PA

- Developed tools and communication mechanisms to accurately identify cleaning status of production equipment, validated load size compliance in steam sterilizers, and validated load size compliance in equipment washers to optimize cleaning protocols
- Took the initiative to self-teach Spotfire IT analytical solution



SELECTED PROJECT EXPERIENCE

DEC
2020–
Current

Spectral Key

Tufts University

📍 Medford, MA

- Designed a business around a waste heat recovery system that takes in waste heat to generate electricity for manufacturing process with high waste heat reclamation
- Participant in NSF-ICORPs Spark and Fusion Program
- Finalist in Tufts 100k Venture Competition

2019 –
2020

Real-time Pressure Sensing System

Union College

📍 Schenectady, NY

- Created a real-time pressure sensing system for Hospital Acquired Pressure Ulcers
- System included an algorithm to assess the pressure at specific area and translate the pressure to the likelihood of a pressure ulcer



CONTACT INFO

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SKILLS

MathWorks MATLAB

Arduino

Microsoft Office

SolidWorks

Python (basic)

TIBCO Spotfire Analytics Tool

Last updated on 2021-04-29.