Michael Sherman

34 Benoni Drive, Sutton, MA | (508) 826 1415 | msherman874@g.rwu.edu | Michael-Sherman.com

EDUCATION

Roger Williams University, Bristol, RI
Bachelor of Science in Engineering
Specialization: Mechanical
Minor: Mathematics

May 2021
GPA: 3.97

University of Limerick, Limerick, Ireland
Study Abroad

Spring 2020

WORK EXPERIENCE

Bose Professional Mechanical Engineering Internship, Bose Corporation — June 2020-Aug. 2020
- Optimized designs using finite element analysis in Siemens NX
- Worked with other mechanical engineers to conduct design reviews
- Collaborated remotely using Microsoft Teams

Math Tutor, Roger Williams University — Sept. 2017-Present
- Assist professor and students in and out of the classroom with homework, notes, and test preparation
- Lead study sessions before tests and finals to large groups of students

Mobile DJ, Worcester, MA — Jan. 2014-Present
- Utilize a complete understanding of audio equipment to set up mixers and speakers
- Communicate effectively with clients to gain a thorough understanding of their event

ACADEMIC PROJECTS

Senior Design Project, Roger Williams University — Aug. 2020-May 2021
Low-Cost Automated Microarray System for Biomolecular Analysis
Worked in a design group to design a lower cost automated microarray system. Designed and built microarray system to automatically apply droplets of biological samples to a single microscope slide using micron precision. Attended Northeast Bioengineering Conference and received third place in Undergraduate Design Competition.

Mechatronics, Roger Williams University — Aug. 2020-Dec. 2020
Autonomous Mobile Robot
Designed and built an autonomous driving robot to navigate a gameboard and sort blocks. Programmed an Arduino microcontroller using C/C++ to read sensor data and control motors and servos. Fabricated custom 2-D parts using a laser cutter.

Computer Vision, Roger Williams University — Aug. 2019-Dec. 2019
Quadcopter Project
Constructed a quadcopter with stable position control using computer vision. Programmed Raspberry Pi to execute software to command the flight controller in response to a live stream of camera images that estimate the quadcopter's location.

CAMPUS INVOLVEMENT

Engineers Without Borders — Sept. 2017-Present
Member

School of Engineering, Computing, and Construction Management — Aug. 2019-Present
Student Ambassador

American Society of Mechanical Engineers — Sept. 2020-Present
Member

SKILLS

- Proficient in Siemens NX, SolidWorks, MATLAB, AutoCAD, Microsoft Office Suite, Microsoft Teams, Zoom, Arduino IDE
- Experience in programming with Python and C/C++