

Madison Raza
madison.raza@maine.edu – (603) 261-0517

EDUCATION

Master of Science in Biomedical Engineering

University of Maine – Orono, ME

Expected Graduation: May 2023

Bachelor of Science in Biomedical Engineering, Cum Laude

University of Maine – Orono, ME

May 2022

RELEVANT EXPERIENCE

Research Experience

Intern,

CompuMAINE Lab

University of Maine

April 2021 – Present

- Application of mathematical techniques in image space in support of breast cancer research.
- Utilization of programming languages such as Image J, R and R Studio for image analysis.

TA and Tutoring

University of Maine

Undergraduate Teaching Assistant,

Introduction to Biomedical Engineering I & II

August 2020 – May 2022

- Instructed in an in-person and remote classroom environment for first year biomedical engineering classes.
- Led students in multiple experimental designs activities as an introduction to the engineering design process.
- Assisted students with experimental set-up and data analysis.
- Assisted students with programs such as Microsoft Excel, SOLIDWORKS, and LabVIEW.

Small Group Tutor,

Tutor Program – MAT 126

August 2021 – December 2021

- Led small group tutor sessions using the fundamentals of Bloom's taxonomy to help students gain a deeper understanding of calculus concepts.

Work Experience

Co-op Student,

Instrumentation Laboratory – Werfen

Bedford, Mass

January 2021 – August 2021

- Research and Development: System Engineer.
- Development and quantification of next generation Hemostasis testing and Acute Care devices.

HONORS

Recipient of BioME Summer Internship Award 2022

ADDITIONAL SKILLS

Skilled with Python, ImageJ, MATLAB, and R and R Studio • Experience with COMSOL, LabVIEW, Mathcad, C/C++, SOLIDWORKS, Simulink, Altair Embed, Minitab • Proficient in Microsoft Word, Excel, PowerPoint.