

# ASHLEY E. FIGUEROA

[ashfig3131@gmail.com](mailto:ashfig3131@gmail.com)

[LinkedIn](#)

**OBJECTIVE:** Seeking a full-time position with a medical device company to gain hands-on experience working in the biomedical field

**EDUCATION:** **Western New England University, Springfield MA**  
Bachelor of Science in Engineering, May 2025  
**Major:** Biomedical Engineering **Concentration:** Biomaterials **Minor:** Chemistry  
GPA: 3.89, President's List (5x), Dean's List (2x)

**EXPERIENCE: Medtronic**

**Surgical Robotics, Boston, MA**

**Software R&D Engineering Intern**

- Assisted in updating the Parent Ticket Database for use with Jira June 2024 – August 2024
- Gained an understanding of the process of triaging and escalating various field complaints

**Diabetes Operating Unit, Northridge, CA**

**Human Factors Engineering Intern**

June 2023 - August 2023

- Recorded notes alongside the moderator for formative testing
- Collaborated with team members to witness the completion of Human Factors related documents

**Western New England University**

**Peer Advisor: Steering Committee**

August 2022 - Present

- Guided and interacted with over 60 first-year students as a transition to the university
- Worked alongside faculty members to plan and facilitate various trainings and events

**Math Tutor/Grader**

September 2022 – December 2024

- Work in collaboration with professors to monitor academic progress of students
- Provide personalized assistance to help students learn and complete assignments

**Makerspace Assistant**

August 2024 – December 2024

- Organized and ran various hands-on workshops for first year engineering students

**PROJECTS:**

**Automatic Suture Sampling Machine**

September 2024

- Create a machine that can automatically cut numerous suture samples
- Utilize programming to automate the process

**Issue Impact Analysis Triage Automation**

June 2024

- Automated a log analysis plotting process utilizing Python code

**Competitive/Comparative Analysis**

June 2023

- Utilized heuristic evaluations to conduct a comparative analysis of an upcoming Medtronic diabetic device against device competitors, Dexcom and Freestyle Libre

**Data Analysis for Formative Testing**

June 2023

- Monitored the formative testing for a system based diabetic device
- Performed a root cause analysis from the quantified data observed in the study

**AID Project (Team of 3)**

Fall 2022

- Designed a braced, compression glove to make the daily functions of an individual with Parkinson's disease easier

**COURSEWORK:**

Bioinstrumentation  
Biomaterials

Biomechanics I & II  
Engineering Physiology I & II

Biomedical Systems  
Analytical Methods

**SKILLS:**

ImageJ  
Python

SolidWorks  
LabVIEW

Microsoft Office Suite  
MATLAB

Minitab  
Figma

ELISA  
LTSpice

Jira  
Miro

**ACTIVITIES:**

**Western New England University**

Society of Women Engineers

2021-Present

Biomedical Engineering Society

2021-Present

Class Council

2023-Present

Junior Representative

2023-2024

**National Chapters**

Society of Women Engineers

2022-Present

Society of Hispanic Professional Engineers

2023-Present

**CERTIFICATIONS:**

Mental Health First Aid Certification

October 2023

**AWARDS:**

Grand Skookum (Excellence) Award

May 2024

James V. Masi Biomedical Engineering Award

November 2024