

# Kayla E. Myers

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**OBJECTIVE:** To obtain a full-time software Developer Academy position.

## **EDUCATION:**

**Bachelor of Science in Biomedical Engineering '24**

*The Pennsylvania State University, University Park, PA*

GPA: **3.80 / 4.00**

## **ENGINEERING EXPERIENCE:**

### **Product Development Engineering Co-op**

Kimberly-Clark Corporation, Neenah, WI

May – Aug 2023

- Discovered innovation opportunity for Goodnites® childcare product improvement and designed visualization concept
- Developed repeatability testing for current absorption capacity of products compared to leading competitor brands and created consumer-relevant marketing claims that increased new consumer entry rate sales
- Published research data and processes for submission to internal company research files for legal reference
- Managed and encouraged involvement of 80+ students as the Activity Coordinator for group co-op/intern network events

### **Raw Materials Quality Process Engineering Co-op**

Kimberly-Clark Corporation, Neenah, WI

Jun – Dec 2022

- Led project that implemented an online system to replace a fully-paper complaint form system for raw material non-conformance in manufacturing plant
- Collaborated cross-functionally with IT, machine operators, and material suppliers to execute project plan which allowed for the time spent focusing on commercial production to increase by 70%
- Managed rejected raw material complaint reports daily & reorganized tracking system of locations for rejected material

### **Musculoskeletal Regenerative Engineering Research Student**

Penn State, University Park, PA

Jan 2021 – May 2024

- Explored how biomaterials alter stem cells to generate/regenerate musculoskeletal tissues
- Discovered which biomaterial interfaces alter mesenchymal stem cells to guide biomaterial design
- Integrated 3D printing technologies to control biomaterial design interfaces

## **BUSINESS & LEADERSHIP EXPERIENCE:**

### **Grader/Teaching Assistant - Artificial Organs & Medical Devices**

Penn State, University Park, PA

Jan 2024 – May 2024

- Aided students with semester-long Paralympic athlete projects by fostering creativity, encouraging out-of-the-box thinking, and providing constructive feedback in an open and approachable environment
- Communicated effectively and provided timely responses to any questions on course content or assignment instructions

### **Tutor – Public Speaking for Engineers**

Penn State, University Park, PA

Apr 2023 – May 2024

- Encouraged engineering students to confidently and successfully communicate ideas in public speaking environments
- Provided constructive, individualized feedback on speech and presentation delivery techniques

### **Engineering Start-Up Design Thinking Team Leader**

Hasso Plattner Institute School of Design Thinking, Berlin, Germany

May 2022

- Led team members in a high intensity environment to develop a functional app and website prototype for a start-up service business – then used prototypes to make effective sales to new customers
- Received direct feedback from local students to implement changes into a newer version of the prototype
- Gained a deeper cultural understanding and awareness through exploration of the city and communication with locals

## **SOFTWARE:**

### **Personal Project - Braille Translator Musical System**

*Self-Instructed*

June 2024 - Present

- Developing a Python script to translate standard text and musical notes into Braille; utilizes dictionaries to map characters to their Braille equivalents for improved accessibility
- Continuously improving for eventual addition of haptic sounds for smartwatch communications (latest progress available through website link above)

**MATLAB/Simulink, HTML (self-taught), Python (self-taught), COMSOL, SolidWorks, Microsoft Office**

## **HONORS & INVOLVEMENT:**

Fundraising Director, Tri-State THON Organization for Pediatric Cancer Research '21-24

Instructor, Spin/Cycling & Pilates Fitness Classes '22-24

Semi-Finalist, Leonhard Center Public Speaking Contest '23