Kayla E. Myers

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OBJECTIVE: **To advance my knowledge in Computer Science through a Master's degree program.**

EDUCATION:

Bachelor of Science in Biomedical Engineering '24
The Pennsylvania State University, University Park, PA   GPA: **3.80 / 4.00**

ENGINEERING EXPERIENCE:

Product Development Engineer
Kimberly-Clark Corporation, Neenah, WI   July 2024 – Present
- Support the launch of trials for new Huggies® product by leading studies and programming standardized data files of results

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 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

SOFTWARE: MATLAB/Simulink, Python, HTML, COMSOL, SolidWorks, Microsoft Office

HarvardX - CS50's Introduction to Programming with Python   Jun 2024 - Present
- Use exceptions, unit tests, file I/O, Object-Oriented Programming, etc. when solving programming challenges in Python

Personal Project - Braille Translator Musical System
Creator   Jun 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 toward addition of audio playback integration for immediate auditory feedback and enhanced learning for the user (latest progress available through website link above)

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

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

INTERESTS & 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