Connor Geshan

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Education

Master of Science in Mechanical Engineering December 2023
GPA: 4.0/4.0
Carnegie Mellon University, Pittsburgh, PA
Current Courses: Computer Vision, Bio-Inspired Robot Design & Experimentation, Humanoid Robotics & Cognition, Designing & Deploying AI/ML Systems, Adv. Engineering Computation, Space Robotics

Bachelor of Science in Mechanical Engineering May 2022
Concentration in Mechatronics **Minors: Computer Science & Mathematics**
Western New England University, Springfield, MA
Courses: Design Mechatronics Systems, Software Design, Abstract Algebra

Work Experience

Research and Development Intern June 2021 – August 2021
Callaway Golf. Carlsbad, CA
- Utilize Python to enhance the usability and efficiency of Graphical User Interfaces (GUI)
- Supported patent initiative for putting alignment aid
- Generated data manipulation Excel Sheets using Visual Basic to study the effect golf ball properties have on performance

Product Engineering Intern October 2020 – April 2021
Callaway Golf, Chicopee, MA
- Set up a golf ball packing factor to estimate the quantity of balls per container within 10% accuracy to decrease manual counting for packers
- Created a test system to track inventory using RFID which eliminated the need for a physical count.

Teacher's Assistant-WNEU August 2019 – May, 2022
- Assist professors with in-class instruction and managing group projects.

3D Printing Lab Technician-WNEU October 2019 – May 2021
- Printed parts to support first-year projects

Projects

PRISM Ranger - CMU September 2022 – December 2022
- Perception Deputy of Surface Mobility Team

Synchronizing Multimodal Behaviors - CMU September 2022 – December 2022
- Simulated synchronized multimodal behaviors using metahuman and Unreal Engine 5

Rabbit & Snitch Robot Competition - WNEU August 2018 – December 2019
- Developed one remote-controlled seeker robot and one autonomous avoidance robot
- Won First Place Overall

Emerging Engineers Expo - WNEU January 2019 – May 2019
- Created a mobile robot equipped with an arm to assist persons with disabilities

Skills

Programming: Python, C++, Git, CMake, Java, Arduino, Visual Basic
Engineering Software: SolidWorks, NX, MATLAB, LabVIEW
Additive Manufacturing: 3D Printing, CURA

Activities

NCAA Athlete – Men's Ice Hockey – Western New England 2018-2022

Summary

Mechanical Engineering graduate student with successful work and leadership experiences. Recognized for strong dedication. Effective leader with group experience and team success. Motivated to apply all education and skills in an Engineering position.