

Amelia A. Wear

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Education:

Mechanical Engineering

Computer Science Minor

GPA: 3.99

University of Pittsburgh

Programming Languages:

Java (intermediate)

Introductory knowledge:

C, C++

HTML

Python

MATLAB

Robot Operating System (ROS)

Technical Skills:

Technical Writing

Product Design

Machining

MS Suite product proficiency

Experience with Windows,
Mac, and Linux

Soft Skills:

Leading and Delegating

Communication

Long-duration Planning

Customer Service

Work Objective:

I would like to explore my interests, gain knowledge and experience, and provide meaningful work for a technical project wherein I may expand both my engineering and personal soft skills. Since I am a fast learner and I love to assist others, I would enjoy any position which focuses on research, design, and solving real-world problems.

Relevant Work Experience:

Virginia Earth System Science Scholars Intern- Summer of 2019

- Lead scholars towards generating a mock mission to study Earth Science and present to NASA by assisting in mission development when appropriate, reviewing technical proposals, and encouraging team unity

Swanson Center for Product Innovation Student- 2019 – Current

- Ensure the safe smooth operation of a professional machine shop
- Aid and advise in product design, material selection, and manufacturing project-critical parts

Herndon Community Center Summer Camp Assistant Director- Summer of 2019

- Planned and executed a 7-week daytime Nature Camp for children aimed at raising awareness and inquisitiveness regarding the natural world.
- Worked with two other counselors to lead up to 24 children through hands-on activities, nature-centered crafts, and nature walks.

Relevant Coursework:

- The Art of Hands-On System Design Engineering
- Introduction to Mechanical Engineering Design
- Data Structures (implemented in Java)

Recent Activities and Achievements:

- Panther Racing Team Engineering member- 2018 – Current
 - Assist in carbon fiber composite manufacturing, innovating car automation systems, and general car functionality
- Society of Women Engineers (SWE) Member and SWE ++ Committee Member
 - Co-Lead the planning and execution of Code Day, an event hosting up to 100 girls and 50 volunteers and expressing coding in multiple hands-on and inspirational activities.
- University of Pittsburgh Honors College and Swanson School of Engineering Honor Student and Dean's List student
- National Society of Collegiate Scholars Member
- University of Pittsburgh Outstanding Freshman Leadership Award Nomination
- Completed VSGC programs: Virginia Aerospace Science and Technology Scholars (VASTS) and Virginia Earth System Science Scholars (VESSS) online courses and respective summer academies- 2016 – 2018
- Girl Scout Gold Award- achieved 2016