Rain White

(*she/her*)
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EDUCATION:

Swarthmore College   Swarthmore, PA
3.64/4.00 GPA | Computer Science   Class of 2024
- Questbridge Match Scholar
- Notable Coursework: Software Engineering, Artificial Intelligence, Algorithms, Game Systems, Data Structures and Algorithms, Introduction to Computer Systems, Discrete Mathematics with an Introduction to Proof, Linear Algebra with Theory

WORK EXPERIENCE:

Human Exploration Development and Operations Product Tool Development,   June 2022 – August 2022
NASA Marshall Space Flight Center (Marshall, AL)
- Designed and coded automated data analysis tools in Python and used Power BI automation tools to support HP02.
- Researched analysis tools and presented to Human Exploration Development and Operations manager and program director.

Theoretical Computer Science Undergraduate Student Researcher,   October 2023 – Present
Swarthmore College Computer Science Department (Swarthmore, PA)
- Personally designed and carried out research on applying resource bounds to measure zero kakeya sets.
- Presented research to faculty representing Senior Comprehensive and prepared for publication, to be listed as an author.

Physics Education Undergraduate Student Researcher,   May 2021 – August 2021
Swarthmore College Physics Department (Swarthmore, PA)
- Performed statistical analysis in RStudio for a physics education research (PER) study on life science.
- Contributed to a research article published by Physical Review Physics Education Research, listed as an author.

Computer Science Teaching Assistant (TA),   January 2022 – December 2023
Swarthmore College Computer Science Department (Swarthmore, PA)
- Assist in weekly meetings discussing how best to academically support students with homework and labs.
- Prepared labs ahead of time and attend lectures to better understand students current level of understanding and provide academic aid.
- Host weekly academic help sessions to personally assist students with current labs.

Computer Science Peer Mentor,   July 2023 – September 2023
Swarthmore College Summer Scholars Program (Swarthmore, PA)
- Instructed 16 incoming freshmen in introductory computer science by hosting daily help sessions and supporting lectures throughout the summer program.
- Collaborated with faculty and program staff to design a program that would best create an inclusive and supportive environment for the students.

SKILLS:

Python, C, C++, HTML/CSS, JavaScript, Rstudio, Git, Unix, Lua, Power BI, Microsoft Suite, Adobe Photoshop, Adobe Premier Pro