Mikayla Walsh

✉ mikayla_walsh@brown.edu

📞 551-579-3949

📍 Sparta, NJ 07871

EDUCATION

Brown University:
Providence, RI | Class of 2025 | 4.0 GPA
BS in Computer Science: Security, AI/ML
Certificate in Entrepreneurship
Northern Highlands Regional High School:
Allendale, NJ | Class of 2021
National Honors Society and High Honor Roll (4 years)

RELEVANT COURSES

Data Structures & Algorithms | Grade: A
Discrete Structs & Probability | Grade: A
Calculus 1-3 | Grade: A
Linear Algebra | Grade: A
Computer Systems | Grade: A
Statistical Inference I | Grade: A
Deep Learning | Grade: A

SKILLS

Proficient in: Java, Python, C, HTML/CSS, JavaScript, Microsoft office
Training in AWS
Hardworking
Fast learner
Leadership
Collaboration

HONORS

2021 and 2022 NFHCA Division I National Academic Squad (GPA 3.5+)
2021 and 2022 NFHCA Division I Scholars of Distinction (GPA 3.9+)

MISSION STATEMENT:

To utilize my many years of education and leadership experience as I pursue my passion for solving complex problems as an integral part of a team through collaboration and dedication.

WORK EXPERIENCE

Undergraduate TA: Work as a teaching assistant for an introductory systems course where I hold office hours, lab sessions, grade assignments, and work with the staff to improve assignments | Fall 2023
IISAGE REU Program: Research into Machine Learning algorithms for determining patterns of causes for sex differences in aging across different species with the Integration Initiative: Sex, Aging, Genomics, and Evolution (IISAGE) Research Experiences for Undergraduates (REU) program | Summer 2023

EXTRACURRICULARS

Brown Field Hockey Team: Starting forward two years, Sports Performance Leader | 2021-Present
Brown Investment Club: Assisted in selecting investments to make with Brown endowment | 2021-2022
Student-Athlete Gay Alliance (SAGA): Event Coordinator of an affinity group for LGBTQ+ student-athletes where we advocate for queer student-athletes at Brown| 2022-Present
Tillman Leadership Institute: Training with Pat Tillman Foundation in a leadership program in order to learn more effective leadership skills | Spring 2023
Other: Women in Computer Science, Alzheimer's Buddies Volunteer Group

PROJECTS

Music Mood Ring: Built two deep learning models with the objective of determining the mood of a song given a set of lyrics using a regression task and a classification task – Matched results (R^2 scores) from a published paper attempting the same task | Language: Python using Tensorflow framework
Database: Built a database that could add, delete, or query a binary search tree through a server-client connection. It was also able to safely handle multiple clients, threads, and signals. | Language: C