

MEREDITH ESTRELLA HERNANDEZ

(347) 431-8000 • mestrella@bowdoin.edu • Website: mestrella8.github.io

EDUCATION

Bowdoin College, Brunswick, ME

Bachelor of Arts, Major: Math and Computer Science, Minor: Physics

Spring 2025

Awards: AMS Trjitzinsky Award, Bowdoin Math Award, SACNAS Travel Scholarship

Published Work: "Snow" in The Quill, Bowdoin-Run Magazine

Languages: Spanish (Advanced)

RELEVANT COURSEWORK

Data Structures, Algorithms, App Development, Mathematical Reasoning, Linear Algebra, Quantum Physics, Ordinary Differential Equations, Foundations in Systems, Machine Learning, Electrical Fields and Circuits

WORK EXPERIENCE

Economics Department, Bowdoin College

Fall 2024-Present

Research Assistant

Brunswick, ME

- Compiled data from 500 athlete profiles into an Excel file, supporting an honors project by providing accurate and comprehensive datasets. Utilized Python libraries such as requests and os to automate data retrieval and processing tasks.
- Collected data for 3000+ photos on their resolution, noise and sharpness

Baldwin Center for Learning and Teaching, Bowdoin College

Fall 2022 – Present

Data Structures Learning Assistant

Brunswick, ME

- Helped teach university course on data structures and basic algorithms using Java
- Reviewed student work to provide feedback and help them learn problem solving skills

Math Department, Bowdoin College

Fall 2024

Probability Grader

Brunswick, ME

- Graded weekly probability assignments for undergraduate students, ensuring adherence to course standards and grading rubrics. Provided constructive and detailed feedback on students' work.

Sponsors for Educational Opportunity

Spring 2023 – Spring 2024

Software Engineering Intern

Remote

- Completed 300+ hours of rigorous computer science and software engineering training focused on full-stack development, data structures, and algorithms
- Gained expertise in web application development by working in SCRUM-like teams to design, test, and implement projects using Python (Flask), HTML, CSS, and MySQL

Office for Residential Life, Bowdoin College

Fall 2022 – Spring 2023

Proctor

Brunswick, ME

- Collaborated with team to coordinate and host programs and events to ensure the wellness of students living in first year dorms
- Shared campus activities and resources, helped resolve conflicts between roommates, and enforce the dorm rules

America Reads and Counts, Bowdoin College McKeen Center

Spring 2023

Middle School Math Tutor

Brunswick, ME

- Worked closely with the teacher to tutor fifteen 6th grade students learn math and reading comprehension

SKILLS AND INTERESTS

Technical Skills: Java, Python, HTML, CSS, SQL

Soft Skills: Adaptability, Problem Solving, Creative Thinking, Self-Awareness, Empathy

Interests: Sewing thrifted clothes, Listening to Music and dj-ing for WBOR 91.1 FM.