

MEREDITH ESTRELLA HERNANDEZ

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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

Math Department, Bowdoin College

Fall 2024-Present

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.

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

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

LEADERSHIP

GrowNYC, New York

Summer 2024

Volunteer of the Month

- Worked as a Food Access and Cooking Volunteer to help with activities such as cooking demonstrations, engaging market shoppers, and other promotional events. The Greenmarkets work towards getting more fresh local produce in people's hands when the weather is nice outside.
- Interpreted for Latinos at the Greenmarkets in Poe Park, 175th Street and Inwood. These communities near where I grew up.

Fashion Club, Bowdoin College
Co-President

Fall 2024 – In Progress

- Will organize trips to thrift stores and flea markets, lead presentations on styling, and teach basic sewing/mending techniques to inspire sustainable, personalized fashion choice

PROFESSIONAL CERTIFICATE

Data Analyst IBM

Summer 2024

- Learned how to visualize data and present findings using various charts in Excel spreadsheets and BI tools like IBM Cognos Analytics
- Developed knowledge of Python language for analyzing data using Python libraries like Pandas and Numpy, and invoke APIs and Web Services

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.