

Ronin Costello
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Education:

Rutgers University School of Environmental and Biological Sciences

Bachelor of Science in Meteorology, Minor in Economics, GPA: 3.79, Dean's List 5 semesters

University of Houston College of Natural Sciences and Mathematics

Doctorate of Philosophy in Atmospheric Sciences, GPA: 3.87, Expected Graduation: May 2027

Related Experience:

PSEG Institute for Sustainable Studies Green Team Intern (June 2021-August 2021) Montclair State University

- Assessed the Urban Heat Island effect in Jersey City using stationary temperature sensors
- Detailed daily weather reports for Newark Liberty International Airport for comparison

Research Project Assistant with the Rutgers Center for Ocean Observing Leadership (May 2022 - August 2022) Rutgers Department of Marine and Coastal Sciences at Rutgers University

- Ran shell and python scripts to validate the Rutgers University Weather Research and Forecasting Model against regional and global models
- Assisted in creating a sea breeze calendar to assess model formation of sea breezes

Undergraduate Researcher with the Rutgers Climate Institute (September 2019 - May 2022) Rutgers Climate Institute at Rutgers University

- Simulate masked reference temperature differences across Last Glacial Maximum and Pre-Industrial Eras using CMIP5 climate models

Meteorology Lab Teaching Assistant (January 2024 - Present) University of Houston

- Teach concepts of meteorological processes, weather elements and the analysis of weather phenomena to undergraduate students in both science-based and non science-based majors

Campus and Community Involvement:

UH Student Body Committee Social Chair: August 2022 - Present

UH American Meteorological Society Chapter Treasurer: November 2023 - Present

Skills:

Microsoft Office, Google Suite, Python, Linux/Unix, Science Communication, Data Analysis, R