

# Aidan Mahoney

## Pathways Intern NHC Tropical Analysis and Forecast Branch

Aidan Mahoney is a Pathways Intern with the Tropical Analysis and Forecast Branch of NOAA's National Hurricane Center (NHC) in Miami, Florida.

Aidan graduated from Cornell University with Bachelor of Science Degree in Atmospheric Science in December 2021. He is currently a Ph.D. Student at the University of Miami's Rosenstiel School of Marine and Atmospheric Science, advised by Dr. Brian Soden.

During high school, Aidan was fortunate enough to have the opportunity to participate in the well-developed Science Research program at Somers High School in Somers, NY. He conducted an independent research project under the mentorship of Dr. Lance F. Bosart at the University at Albany from 2015- 2018. He studied predecessor rain events ahead of tropical cyclones and created a database of these events spanning 1996- 2015. Aidan presented his work at local, regional, and international science competitions, including earning a silver medal at the GENIUS Olympiad International Science Competition in 2017 and NOAA's "Taking the Pulse of the Planet" award in 2018.

In June 2018, Aidan was awarded the American Meteorological Society's Bernard Vonnegut and Vincent Schaefer Freshman Undergraduate Scholarship. Later that year, Aidan began the best years of his life at Cornell University. His favorite courses included Synoptic II, Atmospheric Thermodynamics, Instrumentation, Intro Weather Lab, and Applied Science Communication. He was appointed a Teaching Assistant for Introductory Oceanography in 2019, Basic Principles of Meteorology in 2020, and Atmospheric Thermodynamics in 2021.



Assistant for Introductory Oceanography in 2019, Basic Principles of Meteorology in 2020, and Atmospheric Thermodynamics in 2021. Aidan led the Cornell Chapter of the American Meteorological Society as Co-President from May 2019 through May 2021, during which time he made considerable efforts to provide professional opportunities to chapter members and break down any financial barriers faced by his fellow students. Above all, Aidan is grateful to have met the talented people that are now his lifelong friends.

Aidan accepted the Pathways Internship in May 2020, just in time for the record breaking 2020 Atlantic Hurricane Season. Aidan is currently working on applied research into tropical waves and the development of a new operational product. He is fully certified on the TAFB Surface Analysis desk, and recently began training on the marine forecasting desks.

Aidan is a proud member of the National Weather Association and the American Meteorological Society, where he serves as a student member on the Board for Operational Government Meteorologists.



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