

# Delaney Nelson

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## Objective

Gain a new employment opportunity in order to acquire new professional skills and experiences that will foster individual success as well as company success.

## Education

Doctor of Philosophy – PhD, Atmospheric Sciences | Anticipated 2025 | University of Houston, Houston, TX

- GPA: 3.777

Bachelor of Science Atmospheric Sciences - Cum Laude | May 2021 | University of Houston, Houston, TX

- Minors: Energy and Sustainability, Mathematics
- GPA: 3.703

## Experience

Graduate Teaching Assistant | University of Houston | August 2021 – present

- Enhance student learning through mentoring, advising, and supervising teaching and assessment of knowledge at an undergraduate level
- Co-teach and collaborate with colleagues whilst supporting team research projects

Summer Intern | Argonne National Laboratory | May 2020 – July 2020

- Researched status of wastewater reuse, reuse regulations and processes in the U.S.
- Created a comprehensive database for wastewater reuse, and analyzed infrastructural and institutional barriers to reuse in the U.S.

Undergraduate Research Assistant | University of Houston | September 2019 – present

- Collaborated with graduate students to compile and analyze data via coding software
- Proofread scientific papers for grammar, punctuation, and accuracy

Sales Associate | Ross | October 2018 – present

- Interacted with customers during sales transactions
- Problem solved in order to complete returns, and answer customers' inquiries
- Utilized organizational skills to maintain store cleanliness

Waitress | Stables Grill | January 2017 – July 2018

- Anticipated and catered to customers' needs effectively in a high intensity atmosphere
- Helped amplify the customer's dining experience by maintaining a clean, inviting environment

Child Caretaker | Talented Tots Learning Center | October 2016 – July 2017

- Lead and assisted preschool-aged children in their daily routine, activities, and curriculum
- Efficiently multitasked in order to care for every child's individual wants and needs

## **Publications**

- Jung, J., Choi, Y., Wong, D. C., **Nelson, D.**, & Lee, S. (2021). Role of sea fog over the Yellow Sea on air quality with the direct effect of aerosols. *Journal of Geophysical Research: Atmospheres*, 126, e2020JD033498. <https://doi.org/10.1029/2020JD033498>
- Mousavinezhad, S., Choi, Y., Pouyaei, A., Ghahremanloo, M., & **Nelson, D. L.** (2021, March 26). A comprehensive investigation of surface ozone pollution in China, 2015–2019: Separating the contributions from Meteorology and precursor emissions. *Atmospheric Research*. <https://www.sciencedirect.com/science/article/pii/S0169809521001514>.

## **Relevant Coursework**

- Major Courses:
  - Principles of Atmospheric Science
  - Ecology
  - Atmospheric Chemistry
  - Mesoscale Meteorology
  - Atmospheric Radiation
  - Environmental Data Analysis
  - Dynamic Meteorology
  - Principles of Air Pollution
- General Sciences & Math:
  - Chemistry I & II and Labs
  - Physics I, II
  - Calculus I, II, & III
  - Statistics for the Sciences
  - Physical Geology and Lab
  - Meteorology and Lab
  - Biology I & II and Labs

## **Skills & Abilities**

- Detail-oriented and exceptionally organized
- Proficient with Microsoft software and graphic design applications (Photoshop, Illustrator)
- Adaptable and responsible
- Notable punctuality and time management skills
- Excellent communicator and team player

## **Honors**

- Honors College Dean's List: Fall 2017, Spring 2018, Spring 2019
- NSM Dean's Distinguished Scholars List: Spring 2019
- NSM Dean's List: Fall 2019, Spring 2020
- Academic Excellence Scholarship: August 2017 – May 2021
- Inducted into University of Houston's Honors College
- Phillips 66 Scholarship: August 2019 – December 2020
- Energy and Sustainability Scholar: August 2019- December 2020