

# OLIVIA NORMAN

Department of Earth, Atmospheric, and Planetary Sciences, MIT  
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## EDUCATION

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### Massachusetts Institute of Technology

Ph.D. in Atmospheric Science

Cambridge, MA

Expected: May 2025

### University of Maryland, Baltimore County (UMBC)

B.S. in Physics with honors

Baltimore, MD

May 2020

## RELEVANT EXPERIENCE

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### UMBC, Physics Department

*Participant in CyberTraining Program*

Baltimore, MD

January – May 2020

- Developed skills in high-performance computing and machine learning
- Project: Investigated possible causes of anomalously high cloud optical thickness measurements by MODIS, such as high sea ice concentration and 3D radiative effects

*Research Assistant*

May 2018 – May 2020

- Computed and analyzed the scattering properties of dust aerosols with varying compositions with Dr. Zhibo Zhang
- Collected data independently using UMBC's high performing computing facility and summarized results

*Learning Assistant – Introductory Physics II*

September 2018 – May 2019

- Guided students through key concepts in electromagnetism and thermodynamics
- Used guiding questions to strengthen student's physics intuition and understanding
- Collaborated with other learning assistants in developing questions for the physics curriculum

## ADDITIONAL EXPERIENCE

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### UMBC, Office of Student Disability Services

*In-Course Support*

Baltimore, MD

September – December 2017

- Composed notes from each class to support a classmate with learning disabilities

## HONORS/AWARDS

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### College of Natural and Mathematical Sciences (CNMS) Scholars

September 2018 – May 2020

- Admission based on high academic standing and an interest in supporting women in underrepresented STEM fields

### Dean's List

January – December 2019

- Based on GPA of 3.75 and above

### President's List

August 2017 – December 2018

- Based on GPA of 4.00

January – May 2020

## SKILLS

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*Programming:*

Python, C++, Matlab, Mathematica

*Operating Systems:*

Windows, Linux

## PROFESSIONAL DEVELOPMENT

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Conference for Undergraduate Women in Physics (CUWiP) – Williamsburg, VA; January 2019

STRiVE – Weeklong UMBC Leadership Retreat; January 2018