

# Emmanuel Durodola

Dartmouth College, Department of physics and astronomy  
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## EDUCATION

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**Dartmouth College** Hanover, NH  
Ph.D., Astrophysics Expected June 2026  
Thesis: *Using Cosmological simulations to better understand Galaxy - Black hole co-evolution in the age of JWST*  
Advisor: Ryan Hickox

**California State University** Northridge, CA  
B.S., Physics and Astronomy June 2020

## HONORS & AWARDS

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Ford Foundation Fellowship (Honorable Mention) 2023  
EE Just Liffott Fellow 2020  
NSF Graduate Research Fellow (Honorable Mention) 2020  
Fifth Cohort Cal-bridge Scholar Aug, 2019 - Present

## RESEARCH EXPERIENCE

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**Dartmouth College** Hanover, NH  
*Graduate Student Researcher* Aug 2020 – Present  
**Event Horizon Telescope, Black Hole Initiative** Cambridge, MA  
*NSBP Research Intern* June 2022 – Aug 2022  
**Banneker Institute, Harvard Center For Astrophysics** Cambridge, MA  
*Summer Research Intern* June 2020 – Aug 2020  
**Carnegie Observatories** Pasadena, CA  
*Summer Research Intern* June 2019 – Aug 2019

## TEACHING EXPERIENCE

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**Dartmouth College** Hanover, NH  
*Teaching Assistant/Lab instructor, Physics and Astronomy* June 2021 - Present

- Courses TAed: **Astronomy 25**: Galaxies and Cosmology, **Astronomy 15**: Stars and the Milky Way, **Physics 1**: Introductory Physics, **Physics 3**: General Physics, **Astronomy 1**: Exploration of the solar system, **Astronomy 4**: Development of Astronomy Thought

**Dartmouth College** Hanover, NH  
*Guest Lecturer*

**California State University, Northridge** Northridge, CA

*Tutor, Physics and Astronomy, Mathematics*  
**Granada Hills Charter School**  
*Tutor, Physics and Mathematics*

Aug 2017 – June 2019  
Granada Hills, CA  
Aug 2018 – June 2019

## LEADERSHIP & OUTREACH

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Resident Fellow  
Public Observing, Dartmouth College

August 2022 - Present  
August 2020 present

## PRESENTATIONS ( \* = poster presentation)

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List in reverse chronological order

<i>JSI Conference, Baltimore</i>	<i>November, 2024</i>
<i>244th AAS Meeting, Madison, WI</i>	<i>June, 2024</i>
<i>241st AAS Meeting, Seattle</i>	<i>January, 2023</i>
<i>Summer Symposium, BHI</i>	<i>August, 2022</i>
<i>Summer Symposium, Banneker Institute</i>	<i>August, 2020</i>
<i>*235th AAS Meeting, Hawaii</i>	<i>January, 2020</i>
<i>Summer Symposium, Cal-Bridge/CAMPARE</i>	<i>Summer, 2019</i>
<i>Summer Symposium, Carnegie Observatories</i>	<i>August, 2019</i>

## CODING LANGUAGES

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Python (experienced)  
Mathematica (proficient)  
Javascript (Basic)  
HTML (Basic)

## PUBLICATIONS (\* = contributed)

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### Refereed:

1. \* Anantua Richard et al, *Emission Modelling in the EHT-ngEHT Age*,  
doi:10.33990/galaxies11010004

### Submitted:

1. **Emmanuel Durodola**, Fabio Pacucci, R. C. Hickox, *Exploring the AGN Fraction of a sample of JWST's Little Red Dots at  $5 < z < 8$ : Overmassive Black Holes Are Strongly Favored*. Submitted to the Astrophysical Journal