
JULIO M. MORALES

◆ Email: jmmorales@umass.edu ◆ GitHub: [JulioM-1823](https://github.com/JulioM-1823) ◆ Twitter: [AstroJulioM](https://twitter.com/AstroJulioM) ◆ Website: JulioM-1823.github.io

Education

Bachelors of Science: Physics & Astronomy with Departmental Honors (Expected in 05/2022)

University of Massachusetts Amherst - Amherst, MA

2018-Present

Mathematics

Fitchburg State University - Fitchburg, MA

2017-2018

RESEARCH EXPERIENCE

- Honors Senior Thesis, University of Massachusetts Amherst, (*2021-Present*): "*Accretion Variability in Transitional Disk Host-Stars: Constraints on Short and Long Timescale H α Variability from the Giant Accreting Protoplanet Survey.*" Advisor: Professor Katherine B. Follette
- Five College Astronomy Department Summer Internship, Amherst College, (*Summer 2021*)

TELESCOPE OBSERVING EXPERIENCE

- Southern Astrophysical Research (SOAR) Telescope, (*10/2021*)
- Amherst College Observatory, (*10/2021*)

CONFERENCES/PRESENTATIONS

- Massachusetts Undergraduate Research Conference, (*presenting in 04/2022*)
- American Astronomical Society Conference, (*presenting in 01/2022*)
- SACNAS Diversity in STEM Conference, (*attended in 11/2021*)
- Amherst College Undergraduate Summer Research Poster Session, (*09/2021*)
- Five College Astronomy Department Summer Research Presentation, (*08/2021*)

OUTREACH

- **Explore the Solar System: Amazing Facts & History of the Solar System** - Outreach Coordinator, Follette Lab, (*07/2021*)
- **Modern Astronomy Summer Pre-Course** - Observing Night Assistant, University of Massachusetts Amherst, (*07/2021*)

PROFICIENCIES

- Proficient in computation with Python
- Proficient in version control with Git and GitHub
- Proficient in scientific writing with LaTeX
- Proficient in written and spoken Spanish

TEACHING HISTORY

Astronomy Help Desk, 09/2020 to 12/2021

UMass Amherst – Amherst, MA

Teacher/Tutor/Workshop Leader, 07/2019 to 08/2020

Trio Upward Bound, UMass Boston – Boston, MA

ACCOMPLISHMENTS/AWARDS

- Deans List Honors, University of Massachusetts Amherst, (*Spring 2021*)
- Deans List Honors, University of Massachusetts Amherst, (*Fall 2020*)
- John and Abigail Adams Scholarship, (*2017*)

EXTRACURRICULAR ACTIVITIES

- Monthly Political Update Filming for Rep. Lindsay Sabadosa, (*2020-Present*)
- News Journalism Filming/Editing, Northampton Open Media, (*2020-Present*)
- Filming/Streaming of Frederick Douglass July 5th Speech Reading, Historic Northampton, (*07/2021*)
- LATINOS UNIDOS, UMass Amherst, (*2019-2021*)
- Civic Engagement, (*11/2020*)
- Hurricane Maria Relief Volunteer, (*2017*)
- Give Club, Leominster High School, (*2017*)
- Professional Video Game Tournament, EVO (*2016*)