Theodore Peña

???@wisc.edu   GitHub: openhearted99

Education	**The University of Wisconsin — Madison**	September 2021 – Present
	Candidate for Doctorate in Astronomy	

	Tufts University	September 2017 – May 2021
	Bachelor of Science in Astrophysics, *Magna Cum Laude*	

Research Experience

Space Telescope Science Institute Internship — June 2020 – August 2020
- Chosen to participate as a STSci intern through the National Astronomy Consortium (NAC).
- Worked with Staff Scientist Gregory Snyder to analyze mock galaxy merger catalogs assembled from cosmological simulation data. Final analyses summarized in a AAS Research Note.

Princeton University Summer Research Program — June 2019 – August 2019
- Selected for Princeton University's summer astrophysics internship due to a sponsorship from the NAC.
- Summer work culminated in a co-authored paper published in ApJL, "Nonstationarity of AGN variability: The only way to go is down!"

Louis Stokes Alliance for Minority Participation — September 2018 – May 2021
- Constructed multi-wavelength photometric catalogs with Professor Danilo Marchesini.
- Work results were leveraged for a co-authored paper, "An Extremely Massive Quiescent Galaxy at $z = 3.493$: Evidence of Insufficiently Rapid Quenching Mechanisms in Theoretical Models", published in ApJL.

Programming Languages

Python, some familiarity with C^{++}, Mathematica, MATLAB and Bash.

Activities

President of Tufts Gaming Hub — September 2018 – May 2021
- Planned an inter-collegiate event for over 60 Boston-area college students with New England video game tournament administrators.

PMI: Certified Associate in Project Management — Summer 2020
- Funded by the National Radio Astronomy Observatory to complete certification through a virtual project management course.

Computer Programming for Complex Systems — January 2018
- Completed a two-week program covering the principles and applications of network science.

NASA Community College Aerospace Scholar — September 2017
- Selected for an on-site intensive at NASA Langley Research Center after successful performance in the associated 5 week online course.

Awards

Sigma Pi Sigma — Fall 2020

Dean's List Tufts University — Spring 2019 – Fall 2019