

Marvin Morgan

[ORCID: 0000-0003-4022-6234](https://orcid.org/0000-0003-4022-6234)

[NASA/ADS Library](https://ui.adsabs.org/author/morgan-marvin)

marv08@utexas.edu | 732.580.4470

<https://www.linkedin.com/in/marvin-morgan-431185170/>

Education

University of Pennsylvania	Philadelphia, PA
Bachelors of Arts in Physics & Astrophysics	Graduation: May 2021
Master of Science in Physics & Astronomy	Graduation: May 2021
University of Texas at Austin	Austin, TX
Candidate for Doctorate of Philosophy in Astronomy & Astrophysics	Graduation: Winter 2026

Appointments

2021 - Present: Mentoring Dean's Strategic Fellowship	Austin, TX
Fall 2020 - Summer 2021: Undergraduate Research Assistant: Senior Thesis UPenn	Philadelphia, PA
Advisors: <i>Konstantin Batygin (Caltech), Darryl Seligman (UChicago), and Robyn Sanderson (Penn)</i>	
Summer 2020: Undergraduate Research Assistant: (SETI) Institute/ NASA Ames	Mountainview, CA
Advisors: <i>Ann Marie Cody (NASA Ames) & Douglas Caldwell (NASA Ames)</i>	
Summer 2019: Undergraduate Research Assistant, UPenn Summer PURM	Philadelphia, PA
Advisor: <i>Robyn Sanderson (Penn)</i>	

Honors & Awards

Graduate:

College of Natural Sciences Graduate Continuing Fellowship	(2023-2024)
McDonald Observatory Teten Excellence Fellowship Recipient	(Summer 2025)
College of Natural Sciences Mentoring Dean's Strategic Fellowship	(2021- 2023)

Undergraduate:

Prestigious Roy and Diana Vagelos Science Challenge Award	(2020-2021)
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First Authored Publications (1)

Collisional Growth Within the Solar System's Primordial Planetesimal Disk and the Timing of the Giant Planet Instability

Morgan, M., Seligman, D., and Batygin, K., 2021, ApJL, 917, L8. arxiv.org/pdf/2107.10403 (citations: 7)

Significant Contributions (1)

Rotation Periods, Inclinations, and Obliquities of Cool Stars Hosting Directly Imaged Substellar Companions: Spin-Orbit Misalignments are Ubiquitous

Bowler B. P., Tran Q. H., Zhoujian Z., **Morgan M.**, et al. 2022, ApJ, <https://arxiv.org/pdf/2301.04692.pdf> (citations: 2)

Talks & Posters

Conference Posters:

Contributed Talk	ERES VIII Yale University (June 2023)
Poster	AAS Division of Planetary Science Meeting #53, (October 2021)
Poster	American Astronomical Society Meeting #237, (January 2021)
Poster	National Society of Black Physicists Conference (November 2020)
Contributed Talk	AAS Division on Dynamical Astronomy Meeting #51 (August 2020)

Proposals

Competitive Telescope Time Awarded: (as PI unless stated)

Hobby- Eberly Telescope. Habitable Zone Planet Finder

82 hours awarded through UT Access (T22-1, T22-2, T22-3, T23-1)

Mount Kent Observatory. MINERVA-Australis Telescope

225 hours awarded through NOIRLab / NN-EXPLORE program (2022A, 2022B)

Teaching

Teaching Assistant

Philadelphia, PA

Spring 2021: Physics 102 General Physics: Electromagnetism, Optics, and Modern Physics

Leadership & Outreach

UPenn Division I Track and Field Captain & Record holder: (2018-2021)

University of Texas Division I Track and Field Athlete: (2021-2022)

Black Student Athletes at Penn (BSAP) Co-founder and Co-President: (August 2020 - May 2021)

Young Quakers Community Athletics Volunteer: (September 2017 - May 2021)

The National Society of Black Engineers at The University of Pennsylvania Member: (May 2018 - May 2021)

Media Links/ Appearances

[University of Pennsylvania Pathways Interview](#)

[Record Breaking Track Performance](#)

[University of Pennsylvania Daily Pennsylvanian Interview](#)

[Stellar Flyby's Research Article](#)