

Marvin Morgan

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[NASA/ADS Library](https://nasa.github.io/ADS/Library)

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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

Fall 2023 - Present: University Graduate Continuing Fellowship	Austin, TX
Fall 2021 - Summer 2023: Mentoring Dean's Strategic Fellowship	Austin, TX
Fall 2020 - Summer 2021: Undergraduate Research Assistant: Senior Thesis UPenn	Philadelphia, PA
Advisors: Konstantin Batygin (Caltech), Darryl Seligman (UChicago), and Robyn Sanderson (Penn)	
Summer 2020: Undergraduate Research Assistant: (SETI) Institute/ NASA Ames	Mountainview, CA
Advisors: Ann Marie Cody (NASA Ames) & Douglas Caldwell (NASA Ames)	
Summer 2019: Undergraduate Research Assistant, UPenn Summer PURM	Philadelphia, PA
Advisor: Robyn Sanderson (Penn)	

Honors & Awards

Graduate:

McDonald Observatory Teten Excellence Fellowship Recipient	(Summer 2025)
Frank N. Edmonds, Jr. Memorial Fellowship Award Recipient	(2024)
College of Natural Sciences Graduate Continuing Fellowship	(2023-2024)
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 (2)

(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.

(2) *Signs of Similar Stellar Obliquity Distributions for Hot and Warm Jupiters Orbiting Cool Stars*

Morgan, M., Bowler, B. P., Tran, Q. H., et al., 2024, AJ, 167, 48M.

Contributions (3)

(1) *Rotation Periods, Inclinations, and Obliquities of Cool Stars Hosting Directly Imaged Substellar Companions: Spin–Orbit Misalignments Are Common*

Bowler B. P., Tran Q. H., Zhoujian Z., **Morgan M.**, et al. 2022, AJ, 165, 164B

(2) *Potential Melting of Extrasolar Planets by Tidal Dissipation*

Seligman, D. Z., et al., 2024, ApJ, 961, 22S

(3) *Astrometric Accelerations as Dynamical Beacons: Giant Planet Imaged inside the Debris Disk of AF Lep*

Franson, K., et al., 2023, ApJ, 950L, 19F

Talks & Posters

Conference Posters:

Contributed Talk	Exoplanets 5 Leiden Netherlands (June 2024)
Contributed Talk	ERES VIII Yale University (June 2023)
Poster	Extreme Solar Systems V Christchurch, New Zealand (March 2024)
Poster	9th GMT COMMUNITY SCIENCE MEETING, (September 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, 2023A)

James Webb Space Telescope Cycle 3 GO Proposal

23.16 hours awarded (Co-I)

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](#)