

# Marvin Morgan

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

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<https://marvinmorgan.github.io/> <https://scholar.google.com/citations?user=Sb0OLS4AAAAJ&hl=en>

## Education

<b>University of California, Santa Barbara</b>	Santa Barbara, CA
Candidate for Doctorate of Philosophy in Physics & Astrophysics	Graduation: Summer 2026
<b>University of Texas at Austin</b>	Austin, TX
Master of Science in Astronomy & Astrophysics	Graduation: December 2023
<b>University of Pennsylvania</b>	Philadelphia, PA
Master of Science in Physics & Astronomy	Graduation: May 2021
Bachelors of Arts in Physics & Astrophysics	Graduation: May 2021

## Appointments

<b>Fall 2023 - Fall 2024: University Graduate Continuing Fellowship</b>	Austin, TX
<b>Fall 2021 - Summer 2023: Mentoring Dean's Strategic Fellowship</b>	Austin, TX
<b>Fall 2020 - Summer 2021: Undergraduate Research Assistant: Senior Thesis UPenn</b>	Philadelphia, PA
Advisors: <i>Konstantin Batygin (Caltech), Darryl Seligman (UChicago), and Robyn Sanderson (Penn)</i>	
<b>Summer 2020: Undergraduate Research Assistant: (SETI) Institute/ NASA Ames</b>	Mountainview, CA
Advisors: <i>Ann Marie Cody (NASA Ames) &amp; Douglas Caldwell (NASA Ames)</i>	
<b>Summer 2019: Undergraduate Research Assistant, UPenn Summer PURM</b>	Philadelphia, PA
Advisor: <i>Robyn Sanderson (Penn)</i>	

## Honors & Awards

### Graduate:

<b>McDonald Observatory Teten Excellence Fellowship Recipient</b>	(Summer 2025)
<b>Frank N. Edmonds, Jr. Memorial Fellowship Award Recipient</b>	(2024)
<b>College of Natural Sciences Graduate Continuing Fellowship</b>	(2023-2024)
<b>College of Natural Sciences Mentoring Dean's Strategic Fellowship</b>	(2021- 2023)

### Undergraduate:

<b>Prestigious Roy and Diana Vagelos Science Challenge Award</b>	(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*

## Talks & Posters

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### 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)

## Selected Grants and Observing Proposals

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*JWST Cycle 4 GO 9091*, PI Morgan, Imaging a Hidden Super-Jupiter Accelerating its Metal-rich M-dwarf Host, 16.1 hours awarded

*HET / HPF*, PI Morgan, Testing the Origin of Warm Jupiters with Population-Level Eccentricities, 82 hours awarded through UT Access (T22-1, T22-2, T22-3, T23-1)

*MINERVA-Australis*, PI Morgan, 225 hours awarded through NOIRLab / NN-EXPLORE program (2022A, 2022B, 2023A)

*JWST Cycle 3 GO 6139*, PI Bowler, Angular Momentum Architecture of the HR 8799 Planetary System, Co-I, 23.16 hours awarded

## Teaching

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**Teaching Assistant** Austin, TX

*Fall 2024*: Astronomy 307 Introduction to Astronomy for Majors

**Teaching Assistant** Philadelphia, PA

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

## Leadership & Outreach

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**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)

**Graduate-Undergraduate Mentorship in astronOmy (GUMMY) Research Mentor** (August 2022 - Present)

## Media Links/ Appearances

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[University of Pennsylvania Pathways Interview](#)

[Record Breaking Track Performance](#)

[University of Pennsylvania Daily Pennsylvanian Interview](#)

[Stellar Flyby's Research Article](#)