

Marvin Morgan

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Education

University of Pennsylvania

Bachelors of Arts in Physics & Astrophysics

Master of Science in Physics & Astronomy

Philadelphia, PA

Graduation: May 2021

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University of Texas at Austin

Candidate for Doctorate of Philosophy in Astronomy & Astrophysics

Austin, TX

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: *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:

College of Natural Sciences Graduate Continuing Fellowship (2023-2024)

McDonald Observatory Teten Excellence Fellowship Recipient (Summer 2024 support)

College of Natural Sciences Mentoring Dean's Strategic Fellowship (2021-2023)

Undergraduate:

Prestigious Roy and Diana Vagelos Science Challenge Award (2020-2021 full academic tuition and fees)

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: 6)

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>

Talks & Posters

Conference Posters:

AAS Division of Planetary Science Meeting #53, (October 2021)

American Astronomical Society Meeting #237, (January 2021)

National Society of Black Physicists Conference (November 2020)

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 UPenn Member: (May 2018 - May 2021)