Quang H. Tran

Curriculum Vitae

CONTACT INFORMATION

Department of Astronomy
The University of Texas at Austin
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EDUCATION

Ph.D., The University of Texas at Austin *Expected Spring 2024*
Advisor: Brendan Bowler

A.B., The University of Chicago *September 2014 – June 2018*
Heyman-Moritz Odyssey Scholar
Thesis: *The Distance to Sculptor via RR Lyrae Period-Luminosity Relations*
Advisor: Wendy Freedman

APPOINTMENTS

The University of Texas at Austin *2018 – Present*
FINESST Future Investigator (FI) *2020 – Present*

The University of Chicago *2015 – 2018*
Undergraduate Research Assistant

RESEARCH INTERESTS

- Understanding the evolution of giant planetary systems architecture and geometry.
- Characterizing the influence of stellar properties on planetary occurrence rates.
- Searching for hot and warm Jupiters around young, active stars.
- Constraining stellar activity of young, active stars at near–infrared wavelengths.

AWARDS AND HONORS

Outstanding Master's Thesis, UT Austin *2021*
ExoExplorers Inaugural Cohort, ExoPAG and NASA *2021*
BOV 2nd-Year Defense Award, UT Austin *2020*
Graduate Continuing Bruton Fellow, UT Austin *2020*
OGS Summer Only Award, UT Austin *2020*

AWARDED GRANTS

FI (PI Bowler), Future Investigators in NASA Earth and Space Science and Technology ($135k)
Determining the Evolution and Migration of Young Giant Planets *2020*

SCIENTIFIC PRESENTATIONS

Invited Talk	ExoExplorer's Science Series, NASA	*March 2021*
Contributed Talk	Stars, Planets, and the ISM Seminar, UT Austin	*May 2020*
Contributed Talk	ERES IV, Pennsylvania State University	*June 2018*

SELECTED POSTERS

Tran, Q. H., Bowler, B. P., Cochran, W. D., Endl, M., Mahadevan, S., Ninan, J., Stefánsson, G. K., 2020. *Constraining the Evolution and Migration of Young Giant Planets.* 235th AAS Meeting, Honolulu, HI.

Tran, Q. H., & Rogers, L. A., 2017. *Characterizing Planetary Occurrence Rates for the Kepler A-type Dwarf Sample.* National Collegiate Research Conference, Cambridge, MA.

TELESCOPE TIME AWARDED

PI, Habitable Zone Planet Finder, Hobby-Eberly Telescope: *The Epoch of Giant Planet Migration*, 207.9 hours (2019-T1 – 2021-T2)

PI, 2.7m Robert G. Tull Coudé Spectrograph, McDonald Observatory: *Evolution and Migration of Hot Jupiters*, 15 nights (2019-T1 – 2020-T3)

Co-I, (Jessica Luna, PI), Habitable Zone Planet Finder, Hobby-Eberly Telescope: *Observing Helium Outflows from Irradiated Exoplanets*, 100.0 hours (2019-T2 – 2020-T3)

SERVICE AND OUTREACH	*TAURUS* Scholars Graduate Student Mentor and Co-Lead	*2019 – Present*
	UT Austin Astronomy Graduate Student Mentor and Co-Lead	*2018 – Present*
	UT Austin Astronomy on Tap, Member and Co-Host	*2019 – 2020*
	UT College of Natural Sciences First Generation FIG Mentor	*2019 – 2020*

TECHNICAL SKILLS

Proficient in Python2/Python3, Linux Systems, Bash
Familiar with High-End/High-Performance Computing (Midway2, University of Chicago RCC; Lonestar5, The University of Texas at Austin TACC)

REFEREED PUBLICATIONS

1. *The Epoch of Giant Planet Migration Planet Search Program. I. Near-Infrared Radial Velocity Jitter of Young Sun-like Stars*
Tran, Q. H., Bowler, B. P., Cochran, W. D., Endl, M., Stefánsson, G., Mahadevan, S., Ninan, J. P., Bender, C. F., Halverson, S., Roy, A., Terrien, R. C., 2021, AJ, 161, 173.