

Zhilong Franklin Wang

TEXAS SPACE GRANT CONSORTIUM GRADUATE FELLOW AT TEXAS A&M UNIVERSITY

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EDUCATION

TEXAS A&M UNIVERSITY , PH.D. ASTRONOMY	AUG. 2022 - PRESENT
<i>Advisor:</i> Dr. Jonelle Walsh	
<i>Project:</i> Stellar dynamical modeling of supermassive black holes with large scale integral-field spectroscopy	
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN , B.S. ASTRONOMY, MINOR IN PHYSICS	AUG. 2018 - MAY 2022
<i>Advisor:</i> Dr. Xin Liu	
<i>Thesis:</i> Optical variability of broad-line dwarf AGNs from the Zwicky Transient Facility	

POSITIONS HELD

Texas A&M University , Graduate Teaching Assistant	AUG. 2022 - PRESENT
University of Illinois at Urbana-Champaign , Undergraduate Research Assistant	DEC. 2020 - FEB. 2023
The Chinese University of Hong Kong , Undergraduate Research Assistant	MAY 2019 - FEB. 2020

PUBLICATIONS ([LINK TO MY ADS](#))

FIRST/CO-AUTHOR:

- **Wang, Z. F.**, Burke, C. J., Liu, X., & Shen, Y. (2023). *Dwarf AGNs from variability for the origins of seeds (DAVOS): optical variability of broad-line dwarf AGNs from the Zwicky Transient Facility*. *Monthly Notices of the Royal Astronomical Society*, 521(1), 99-113. arXiv:2212.02321.

CONTRIBUTING AUTHOR:

- Burke, C. J., Shen, Y., Liu, X., Natarajan, P., Caplar, N., Bellovary, J. M., & **Wang, Z. F.** (2023). *Dwarf AGNs from variability for the origins of seeds (DAVOS): Intermediate-mass black hole demographics from optical synoptic surveys*. *Monthly Notices of the Royal Astronomical Society*, 518(2), 1880-1904. arXiv:2207.04092.

HONORS & AWARDS

Texas Space Grant Consortium Graduate Fellow , Texas Space Grant Consortium	DEC. 2023
James Scholar Honors Program , University of Illinois at Urbana-Champaign	JAN. 2019 - MAY 2021
Nancy Chong Whitman Scholar , University of Illinois at Urbana-Champaign	AUG. 2019 - MAY 2020
Phi Eta Sigma National Honors Society , University of Illinois at Urbana-Champaign	JAN. 2019 - MAY 2023
College of Liberal Arts & Sciences Dean's List , University of Illinois at Urbana-Champaign	FALL 2018, FALL 2020

PRESENTATIONS, TALKS, & CONFERENCES

<i>A Gemini Large & Long Program: Stellar Kinematics from Nearby Galaxies</i> , Bashfest 2023, Univ. of Texas at Austin	POSTER, OCT. 30, 2023
<i>Optical Variability of Dwarf AGNs</i> , Extragalactic Lunch, Texas A&M University	TALK, MARCH 9, 2023

OBSERVING EXPERIENCE

W. M. Keck Observatory , OSIRIS	0.5 NIGHTS, FEB. 2024
McDonald Observatory , 2.1m Otto Struve Telescope, ETSI	7 NIGHTS, APR. 2023
McDonald Observatory , 2.7m Harlan J. Smith Telescope, VIRUS-W	3 NIGHTS, FEB. 2023

 PROFESSIONAL SERVICE, OUTREACH, & MENTORING

POSITIONS

Gateway to Graduate School , Organizer	JUN. 2023 - PRESENT
Astronomy on Tap BCS , Chief Organizer and Coordinator	MAY 2023 - PRESENT

PUBLIC TALKS

<i>The Problem with Infinity</i> , Astronomy on Tap, Bryan TX	JAN. 2024
<i>Professional Stargazing: Getting Science from an Observatory</i> , Astronomy on Tap, Bryan TX	OCT. 2023
<i>Is Looking for Extraterrestrial Life Worth It?</i> , Astronomy on Tap, Bryan TX	JUN. 2023
<i>The Black Holes of Our Universe</i> , Astronomy on Tap, Bryan TX	MAR. 2023
<i>How to Weigh a Supermassive Black Hole</i> , Brazos Valley Astronomy Club, College Station TX	FEB. 2023
<i>Things That Go Bump in the Night: Killer Worlds and the Deep Unknown Dark</i> , Astronomy on Tap, Bryan TX	OCT. 2022

MENTORING

William Lande , High School Student, Illinois Science State Fair	JUN. 2021 - AUG. 2022
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 EXTRACURRICULAR ACTIVITIES

Phi Kappa Tau Fraternity , Recruitment Chairman	NOV. 2020 - JAN. 2022
Phi Kappa Tau Fraternity , Chapter President	NOV. 2019 - JAN. 2021
Epsilon Eta Environmental Honors Fraternity , Volunteer	FEB. 2019 - JAN. 2020
Eco-Olympics , Volunteer, awarded a Certificate of Leadership in Environmental Stewardship and Energy Conservation	APR. 2019
Phi Kappa Tau Fraternity , Philanthropy Chairman	NOV. 2018 - DEC. 2019
Illinois Men's Rugby Football Club , Player	AUG. 2018 - DEC. 2019