Kaila Ronayne

✉kaila_ronayne@tamu.edu

in(LinkedIn)   ⚡(Github)   (Personal Website)

Research Interests   Observational astronomy, high z universe, galaxy-formation, galaxy cluster, proto-clusters, star formation, star formation history, galaxy evolution

Education

PhD Astronomy   Expected Graduation: Aug-2027
Astrostatistics Track   GPA: 4.0
Texas A&M University, College Station, TX
Advisor: Casey Papovich

B.S Aerospace Engineering   Graduated: Dec-2021
Minors in Astrophysics and Mathematics   GPA: 3.2
Texas A&M University, College Station, TX

Research Appointments

Graduate Student   Jan 2022 - Present
Texas A&M University
Department of Physics and Astronomy
Advisor: Casey Papovich

Assistant Researcher   Aug 2020 - Dec 2021
Texas A&M University
Department of Physics and Astronomy
Co-Investigators: Casey Papovich and Guang Yang

Assistant Researcher   May 2018 - May 2019
Texas A&M University
Department of Aerospace Engineering
Research Group: SpaceCRAFT
Advisor: Gregory E. Chamitoff

Internships

Airworthiness Intern   May 2021 - Dec 2021
Lockheed Martin, Fort Worth, TX
  - Used software skills to optimize current data analysis methods. Aim was to improve previous methods of data processing to increase efficiency of work on the airworthiness team, as well as the chief engineers office.

Publications

First Author:
Co-Author:

  - A Long Time Ago in a Galaxy Far, Far Away: A Candidate $z \sim 14$ Galaxy in Early JWST CEERS Imaging; Finkelstein et al 2022
  - A dusty starburst masquerading as an ultra-high redshift galaxy in JWST CEERS observations; Zavala et al 2022

Awards

  - Avilés-Johnson Doctoral Fellowship   Jan 2022 - Aug 2027
  - NASA/ Texas Space Grant Consortium Fellowship   2022 - 2023

	• College of Engineering Student Scholarship	2017 - 2020

Leadership Astronomy on Tap (AoT) BCS   Position Held: Treasurer

Mentorship Graduate Student Mentor   2022-2023
Mentoring And Advising Graduates In An Inclusive Community (MAGIC)

Talks Given **Science:**
• Texas A&M Astro-symposium   August-18-2022

Programming
• Languages:
Fluent: Python, LaTex
Experience: MATLAB, Robot C, Visual Basic for Applications (VBA), Linux, bash, R

References
• Casey Papovich
  – Email: papovich@tamu.edu
  – Relationship: Research Advisor
• Guang Yang
  – Email: gyang206265@gmail.com
  – Relationship: Research Advisor
• Rebecca Russell
  – Email: rebecca.l.russell@lmco.com
  – Relationship: Reported to Rebecca temporarily during internship