

Thomas Seive

Astrophysicist

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Skills

- Advanced Python
- Basic Mongo
- Basic Git

Experience

Understanding the transition from dispersion dominance to rotational support in the FIRE-2 simulations: worked with Dr. Andrew Graus to develop code that analyzed velocity dispersion in FIRE-2 dwarf galaxies. Presented this research at the UT Undergraduate Research Forum.

Department of Astronomy, University of Texas - Austin / Research Assistant

Sept 2021 - PRESENT, Austin, TX

- Analyzed data from the HET LRS2 instrument using Python to further understand how MgII emission lines trace neutral Hydrogen
- Collaborated with group members in weekly group meetings
- Working on publishing a research paper on the methods and results of the research

Student Athletics, University of Texas at Austin / Tutor

Feb 2019 - May 2021, Austin, TX

- Tutored student athletes in Astronomy and Physics
- Attended monthly tutoring development sessions

Department of Astronomy, University of Texas - Austin / Undergraduate Grader-Learning Assistant

August 2018 - May 2020, Austin, TX

- Assessed student work
- Administered assessments
- Conducted and facilitated in-class activities

Education

University of Texas at Austin / B.S. Astronomy

August 2017 - May 2021, Austin, TX

GPA 3.79

Graduate of Distinction with Distinctions in Research

Relevant Coursework: AST376R Introduction to Observational Methods

University of Texas at Austin / B.S. Physics

August 2017 - May 2021, Austin, TX

Leadership & Community

Astronomy Students Association, University of Texas at Austin, Austin, TX
September 2017- May 2021 | Member