

# Thomas Seive

## Astrophysicist

Austin, TX | 214-799-4092  
[github](#) | [thomasseive@utexas.edu](mailto:thomasseive@utexas.edu)

### 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

