

Parker Wise | Undergraduate Physics & Astronomy Student

4101 W 24th Place Apt 923 Lawrence, KS 66047

✉ wiseparker03@gmail.com • ✉ wiseparker03@ku.edu • ☎ 785-215-0377 • 🌐 Github

Education

The University of Kansas Bachelors of Science, Physics and Astronomy Minor in Mathematics 3.5 Cumulative GPA Honors College	Lawrence, Kansas 2021-Present
--	---

Research Experience

The University of Kansas Undergraduate Researcher with Dr. Elisabeth Mills	Lawrence, Kansas January 2023-Present
--	---

- Worked through a tutorial in Jupyter notebook to get acquainted with using Astropy, and other useful Python packages pertaining to analysis of data in radio and millimeter wavelengths.
- Used python and CARTA to identify the brightest source in 8 spectral cubes. Made a 20x20 pixel subcube surrounding the brightest source. For each of the 8 subcubes a plot was made of intensity against frequency.

The University of Kansas Undergraduate Researcher with Dr. Dave Z. Besson	Lawrence, Kansas Summer 2023
---	--

- Worked on setting up a Vector Network Analyzer for use in an anechoic chamber. This included using GPIB cables to send SCPI commands to the instrument in order for it to save data to an external hard drive.

Teaching Experience

The University of Kansas Physics and Math Tutoring	Lawrence, Kansas Spring 2022-Present
--	--

- Worked with Trio Tutoring to tutor students in multiple different classes including calculus based Physics 1, algebra based Physics 1 and 2, and Calculus 3.
- Worked with students to work through practice problems, develop conceptual understanding, and create good studying habits.

Cosmosphere Camp Counselor	Hutchinson, Kansas Summer 2022
--------------------------------------	--

- Led activities regarding Physics, Astronomy, Engineering and Space exploration history.

Leadership

The University of Kansas **Lawrence, Kansas**
Society of Physics Students Undergraduate Treasurer May 2022-May 2023

- Held accountability for the club's bank account and attended bi-weekly meetings to help run the meeting's activities.

The University of Kansas **Lawrence, Kansas**
Society of Physics Students Undergraduate Vice President May 2023-Present

- Helped to plan bi-weekly meetings, run outreach events, take executive meeting minutes, and communicate with the Physics and Astronomy student undergraduate body.

Professional Experience

The University of Kansas **Lawrence, Kansas**
Department Seminar Fall 2021-Present

- Attended department seminars where researchers would share their work.

The University of Kansas **Lawrence, Kansas**
Department Colloquium Fall 2021-Present

- Attended department colloquium where researchers would share their work.

The University of Kansas **Lawrence, Kansas**
Department Astro-coffee Fall 2021-Present

- Attended weekly meetings for astronomy researchers to socialize and discuss astronomy news and new papers.

Presentations

The University of Kansas **Lawrence, Kansas**
Undergraduate Symposium August 2023

Outreach

The University of Kansas **Lawrence, Kansas**
KU Carnival of Chemistry November 2022

Boy Scouts of America **Oskaloosa, Kansas**
Speaker June 2023

Boy Scouts of America **Topeka, Kansas**
Astronomy merit badge counselor June 2023

Technical Skills
