

PIERSON LIPSCHULTZ

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RESEARCH EXPERIENCE

College of DuPage

Glen Ellyn, IL

Honors Independent Study ♦ [GitHub](#)

01/2025 - 5/2025

- Wrote a paper on mass transfer in binary stars
- Analyzed three observed systems
- Wrote a 30 page paper in \LaTeX

CIERA, Northwestern University

Evanston, IL

REACH Further ♦ [GitHub](#) ♦ [Visualizaions](#)

06/2024 - 07/2024

- Worked with mentor Ilia Kiato assisting with research
- Project one: Researched and cataloged X-ray binary simulation data using python tools.
- Developed a system for analyzing subpopulations using Bokeh and a GitHub Site.
- Project two: Researched natal kick velocities in Black Holes, recreating the results of the paper A Black Hole Kicked At Birth: MAXI J1305-704.
- Created visualizations of the processes of the paper.

EDUCATION

College of DuPage

Glen Ellyn, IL

Honors Scholar

08/2024 - 5/2025

RESEARCH SKILLS

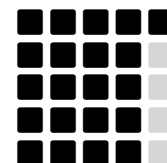
Blender

\LaTeX

Python

Pandas

Matplotlib



OUTREACH

President and Founder, COD Space Club

Glen Ellyn, IL

<https://codspace.club/>

01/2025 - Current

- Grew club to 70 members within the first year on its inception
- Hosted outreach events including observing nights
- Gave talks and presentations

Lead Ambassador, Stories of Space

Glen Ellyn, IL

<https://www.storiesofspace.com/>

08/24 - current

- In charge of mission 4
- Helping coordinate large scale collaborations
- Marketed and encouraged college student engagement with space.

Project Head, High Altitude Weather Balloon Collaboration

Glen Ellyn, IL

<https://sites.google.com/view/stories-of-space-project/>

01/2025 - current

- Helping coordinate large scale collaborations
- Marketed and encouraged college student engagement with space.
- Currently working in charge of Mission 4

Guest Speaker, Northwest Suburban Astronomers

Glen Ellyn, IL

<https://www.nsaclub.org/>

February 7th, 2025

- Presented an overview of binary star properties, including X-Ray binaries, mass transfer, and stellar evolution
- Audience of ≈ 50 people.

Misc.

- Filler