

PIERSON LIPSCHULTZ

Piersonlipschultz@gmail.com ◇ <https://www.piersoni.com/> ◇ 312-292-7673 ◇ GitHub

RESEARCH EXPERIENCE

College of DuPage

Honors Independent Study ◇ GitHub

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

Glen Ellyn, IL
01/2025 - 5/2025

CIERA, Northwestern University

REACH Further ◇ GitHub ◇ Visualizations

- 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.

Evanston, IL
06/2024 - 07/2024

EDUCATION

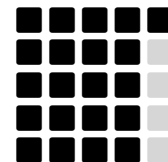
College of DuPage

Honors Scholar

Glen Ellyn, IL
08/2024 - 5/2025

RESEARCH SKILLS

Blender
 \LaTeX
Python
Pandas
Matplotlib



OUTREACH

Lead Ambassador, *Stories of Space*

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

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

Glen Ellyn, IL
01/2025 - current

Project Head, *High Altitude Weather Balloon Collaboration*

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

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

Glen Ellyn, IL
01/2025 - current

Guest Speaker, *Northwest Suburban Astronomers*

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

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

Glen Ellyn, IL
February 7th, 2025

Misc.

- Licenses & certifications
- Volunteering
- Publications
- Patents