

# 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 utilizing on mass transfer in binary stars
- Combined observational and simulated data
- Utilized  $\text{\LaTeX}$

Glen Ellyn, IL  
01/2025 - 5/2025

### CIERA, Northwestern University

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

- 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

$\text{\LaTeX}$

Python

Pandas

Bokeh

Matplotlib



## OUTREACH

### President and Founder, COD Space Club

<https://codspace.club/>

- Grew club to  $\approx 70$  members in 2 semesters
- Hosted numerous outreach events including events at [STEMCON](#)
- Observing nights and field trips to places including Fermilab
- Gave talks and presentations

Glen Ellyn, IL  
01/2025 - Current

### Lead Ambassador, Stories of Space

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

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

Glen Ellyn, IL  
08/24 - 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  $\approx 50$  people.

Glen Ellyn, IL  
2/7/2025

PUBLICATIONS

---

<b>Mass Transfer in Binary Stars</b> <a href="#">Digital Commons</a> ◦ .....	Glen Ellyn, IL 5/2025
<b>Photography</b> <a href="#">Prairie Light Review</a>	Glen Ellyn, IL 5/25

PRESS

---

- [College of DuPage](#)
- [Daily Herald](#)

PROJECTS

---

- Filler