# Pierson Lipschultz

Piersonlipschultz@gmail.com ◇ https://www.piersonl.com/ ◇ 312-292-7673 ◇ GitHub

## 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.

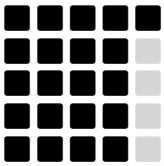
## Education

**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 $\approx$ 50 people.

## Misc.

- Filler