

# Naomi Shechter

PHYSICS MAJOR PASSIONATE ABOUT  
ASTROPHYSICS, SUSTAINABLE ENERGY, SCIENCE  
COMMUNICATION AND WOMEN IN STEM.

## Activities

**DePaul Astronomical Society - Member**  
**Society of Physics Students at DePaul - President**  
- Discussed forefront physics news and topics with peers, TAs and professors.

### DeRPG - Member

- Strategized solutions to problem solving exercises weekly, through the medium of tabletop games.
- Engaged in collaborative, team-building exercises weekly during these games.
- Determination and perseverance in overcoming unexpected obstacles .

## Technology / Skills

- Microsoft Office Applications (Outlook, Word, Powerpoint, Excel)
- G Suite (Docs, Sheets, Forms, Slides)
- Python, Java
- Writing and Editing
- Intermediate proficiency in French

## Reach Me At:

- (847)-757-0232
- Naomishec@gmail.com
- Please contact me via these methods if you wish to acquire my address to send paper mail.

## Experience

### ADLER PLANETARIUM, CHICAGO FLOOR PROGRAMS FACILITATOR

October 2016 - Present

- Facilitating hands-on, astronomy/physics experiments.
- Communication with the public to promote scientific comprehension.
- Represented the Adler at Fermilab.
- Flexibility from switching between experiments throughout the day.

### RESEARCH EXPERIENCE

*Using Methanol Masers to Probe High Mass Star Forming Regions*  
Undergraduate Summer Research Program with Dr. Anuj Sarma at DePaul University, Summer 2020

- Compiled a database of Class II methanol masers and associated radio sources, analyzed correlations between maser distance, maser type and structure in the star forming region
- Published in DePaul Discoveries 2021.

*Detecting EMRIs in Gravitational Wave Data with Harmonic Correlation*  
CIERA Research Program with Dr. Shane Larson at Northwestern University, Summer 2021

- Simulated orbits, GW waveforms, power spectra and harmonic correlation.
- Determined efficient method for isolating EMRI waveforms.
- Published RNAAS note, presented at Adler and (preliminarily) AAS.

## Education

### B.S. PHYSICS - DEPAUL UNIVERSITY, CHICAGO

Graduating June 2023

- GPA: 3.909
- Relevant classes: Physics I-IV for Science Majors, Computational Physics I, Computational Physics II, Calculus with Integrated Precalculus I-III, MV Calc I and II, Introduction to Computer Science I and II, Data Structures I.

### AWARDS

- Member of DePaul Honors Program.
- Recipient of the Dean's Scholarship.