

# Andrew Block

16089 Inglewood Drive, Lakeville, MN 55044 \* (612) 701-0659 \* andrew.block59@gmail.com

## EDUCATION

---

### MINNESOTA STATE UNIVERSITY MOORHEAD, Moorhead, MN

*Bachelor of Science in Physics, May 2018*

- GPA: 3.82

## WORK EXPERIENCE

---

### TARGET

*Target Security Specialist, November 2019 – March 2020*

- Help create an AP culture among team members, ensuring everyone knows their role in minimizing store shortage.
- Quickly and responsibly respond to and document security incidents in the store.
- Support sales by greeting guests upon entrance and assisting them in finding their selections.
- Provide excellent guest service to create a positive store atmosphere and minimize shortage.

### UNIVERSITY OF OKLAHOMA

*Graduate Teaching Assistant, August 2018 – August 2019*

- Lead lectures in undergraduate physics and astronomy courses.
- Created and wrote course materials such as syllabus, visual aids, answer keys, and course notes.
- Graded student lab reports and assignments.

### MINNESOTA STATE UNIVERSITY MOORHEAD, Moorhead, MN

*Learning Assistant, August 2015 – May 2018*

- Lead lab sections of introductory physics and astronomy courses.
- Assisted students with data collection and analysis.
- Assisted in the grading of student lab reports.

### MINNESOTA STATE UNIVERSITY MOORHEAD, MOORHEAD, MN

*Planetarium Assistant, January 2015 – May 2018*

- Helped develop and lead planetarium events, including events for visiting K-12 students, students enrolled in astronomy classes, and the general public.
- Helped track planetarium finances before and after every event.
- Trained new employees to properly use planetarium equipment and software as well as how to run events.

### MINNESOTA STATE UNIVERSITY MOORHEAD, MOORHEAD, MN

*Student Researcher, May 2016 – August 2016, May 2017 – August 2017*

- Developed Python code to perform aperture photometry on an image and match light sources to GAIA to find asteroids in images.
- Used a research grade telescope and cameras to collect images of the night sky to be used in the asteroid detection code.
- Assisted in upgrading the observatory by setting up a new camera, installing the new camera, and rewriting the astronomical observing manual in LaTeX.

## SKILLS

---

- |   |  |
|---|--|
| • Knowledge of physics and physical laws                    | • LaTeX document preparation.                          |
| • Microsoft Office Suite                                    | • Particle physics data analysis in ROOT               |
| • Verbal and written communication skills                   | • Data Analysis (Collection, Cleaning, and Evaluation) |
| • Advanced Mathematics                                      | • Public speaking                                      |
| • Python Programming (Numpy, Pandas, Matplotlib)            |  |
| • R Programming   |  |
| • Wolfram Mathematica                                       |  |
| • Familiar with Windows, MacOS, and Linux operating systems |  |

## AWARDS AND ACHIEVEMENTS

---

- December 2017 – Awarded Walter Wesley Memorial Scholarship from Minnesota State University Moorhead Department of Physics and Astronomy for Outstanding Senior Project.