

# MAX HANRAHAN

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(814) 240-8146

## Education

**Hamilton College**, *Bachelor of Arts*, Clinton, NY; May 2022

Concentrations: Physics and Mathematics

GPA: 3.65

## Relevant Coursework

- Electromagnetism
- Electronics and Computers
- Statistical Modeling and Application
- Quantum Physics with Laboratory
- Python (Computer Science)
- Differential Equations
- Waves and Fields with Laboratory
- Linear Algebra
- The Mechanical Universe with Laboratory
- Multivariate Calculus

## Physics Experience

**Laboratory Learning Assistant**, *Hamilton College Physics Department*, Clinton, NY; Fall 2019-Spring 2019, 6hrs/week

- Served as an assistant in the Physics 100 and Physics 200 labs.
- Facilitated learning by asking questions about ongoing student experiments.
- Graded student work and provided feedback on how to improve.

**Director**, *Hamilton Chapter of the Society of Physics Students (SPS)*, Clinton, NY; Spring 2019-Present

- Elected by peers to organize physics-related social events.
- Collaborate with other directors and assistant directors to promote events, such as volunteering as judges for a middle school science fair.

**Treasurer**, *Hamilton Space Society*, Clinton, NY; Spring 2019-Present

- Organize and lead budgeting, expenses, and finances for on-campus space-related events.
- Encourage scientific curiosity through public events such as physics talks and stargazing through the Peters Observatory.

**Member**, *Hamilton SPS Project Team*, Clinton, NY; Fall 2018-Present

- Assemble, launch and locate three weather balloons designed to record data and capture images of Earth's surface.

## Leadership/Management Experience

**Resident Advisor**, *Hamilton College*, Clinton, NY; Spring 2019

- Build a community of care, mutual respect, and responsibility through programming, meeting with residents, providing resources, and being a positive role model.
- Perform on-call rotations (~7 weekend nights per semester), administer health and safety inspections, and oversee closing of residence halls at the end of the semester.

**Captain**, *Erie High School Cross Country*, Erie, PA; Fall 2017

- Led the first generation of the varsity team of the Erie High Royals.
- Lifted morale while keeping team members organized and on-task.
- Created photo montages and videos celebrating team victories and growth.

## Recognition of Merit

**Charles A. Dana Prize Scholarship**, Fall 2019

- Recognized for outstanding academic achievement, character, and leadership.

**Hamilton College Dean's List**, Fall 2018-Spring 2019

- Received an average GPA of 3.5 or more in four or more graded courses per semester.

**Hamilton College Questbridge Scholar**

- Recognized as part of the QuestBridge National Students Network and a Finalist at Hamilton College.

## Technical Skills

Python (proficient), Excel (advanced), Statistics and Error Analysis (proficient), HTML/CSS (proficient), Audacity (advanced), Adobe (proficient), Final Cut Pro X (advanced), LaTeX (fluent)