

# BRITTNEY MICKALIGER

Astronomy Educator & Science Communicator

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## SUMMARY

Highly motivated and diligent astronomy educator looking to broaden experience in science communication. Proficient in various forms of public outreach and multimedia projects, as well as project management and professional communication with both team members and clients.

## EDUCATION

### **Stony Brook University**

B.S. in Astronomy

August 2019 - May 2023

- Dean's list Fall 2019 through Spring 2022.
- Special mention during the May 2023 Commencement for community service.

### **William Floyd High School**

Advanced Regents Diploma with Honors

September 2015 - June 2019

- Ranked third in of a class of 584 students.

## SKILLS

- Exceptional teamwork and leadership with both peers and subordinates
- Public outreach via social media and in-person tabling events
- Science communication to audiences of varying ages and background knowledge
- Experience in Microsoft Office and Google Suite programs
- Experience in LaTeX, Python, Java, Fortran, MATLAB, HTML, CSS

## VOLUNTEERING

### **SBU Astronomy Club**

AstroFest Presentation Volunteer

April 2022, April 2023

### **Stony Brook University Food Pantry**

Student Volunteer

January 2021 - August 2022

## PROFESSIONAL EXPERIENCE

### **Astronomy Educator & Admissions Keyholder**

Vanderbilt Museum & Planetarium, Centerport, NY

June 2023 - Present

- Design, plan, and deliver fun and engaging presentations about the night sky to audiences of up to 140 people, tailored to the general public.
- Operate the star projector and DigitalSky full-dome projector to run live shows and planetarium films.
- Run educational crafts and demos in the lobby, including answering astronomy-related questions from visitors.
- Supervise and manage admissions associates in ticket purchases, responding to email, phone, and in-person inquiries, and other daily operations.

### **Undergraduate Student Coordinator**

Stony Brook University Food Pantry, Stony Brook, NY

August 2022 - May 2023

- Supervised volunteer cohorts of 25-30 students, including training orientations for proper pantry procedures, creating new volunteer schedules, and interviewing upcoming interns.
- Collaborated with several on-campus clubs and departments to host brand new pantry programs, events, and food drives, such as the student cook-off and group volunteer sessions.
- Established three additional food pantry satellite locations between Main Campus and Southampton Campus.

### **Introductory Physics Lab Teaching Assistant**

Stony Brook University, Stony Brook, NY

August 2022 - December 2022

- Assisted lab instructor in leading students through weekly lab experiments, comprising of setup, goals, calculations, and error propagation.
- Hosted weekly office hours to guide students through homework problems, lab reports, programming in Google Sheets and LaTeX, and other questions.
- Geared lessons and explanations for students new to physics, such as non-physics majors and first-year students.