First and Last Name
Address
Phone \_\_ Email Address



**Education**

State University of New York at New Paltz

Bachelor of Science, Astronomy | Minor in Physics

Expected May 2019

Nassau Community College

Associate of Arts

Completed May 2016

Inducted into the Phi-Theta-Kappa Honor Society for two-year universities | Consistent Dean’s List Honoree

**Related Experience**

PLANETARIUM OPERATOR • SUNY New Paltz • August 2017 — Present

* Trained and employed by the university to prepare and present full-length planetarium shows for public and private audiences.
* Cover topics include objects in the current nighttime sky as well as lectures and discussions regarding current events in the realm of astronomy.

TEACHING ASSISTANT • SUNY New Paltz Astronomy Department • August 2018 — Present

* Tutor students in a 3rd-year course, Thermal Physics, on a weekly basis
* Help students prepare for exams and homework assignments by going over concepts in thermal physics, statistical mechanics, and introductory physics; graded exams
* Assist in solar and night-time telescope observations for New Paltz faculty, students and guests

**Research Experience**RESEARCH INTERN • SUNY New Paltz Astronomy Department • May 2018 — December 2018

* Developed optimized process for particle cleaning and trapping using optically-mediated Airy beams
* Wrote LabVIEW program with user interface that controlled experimental parameters
* Conducted experiments using program and employed MATLAB for data analysis
* Results showed that Airy beams successfully manipulated micro-particles

RESEARCH INTERN • SUNY New Paltz Astronomy Department • August 2017 — December 2017

* Research adaptice optics and orbital angular momentum (OAM) states of light
* Set-up and performed several experiments to characterize the propagation of OAM states through turbulent media
* Wrote LabVIEW and MATLAB programs for data collection and analysis

 **Leadership Experience**

VICE PRESIDENT • SUNY New Paltz Astronomy Club • SUNY New Paltz • August 2018 — Present

* Collaborating and organizing club meetings with fellow board members.
* Includes planetarium shows, stargazing events and astronomy related games and activities for club members.
* Serves as the acting Treasurer for the club’s finances.

**Work Experience**SERVER • Renos Pizzeria • New Paltz, New York • September 2017— Present **Skills**

Stellarium Software

Spitz Starball Projector

Mathematica

LabVIEW

LaTeX

Microsoft Office Suite

**Astronomy**