# NICOLE NAPORANO

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## OBJECTIVE

Passionate and diligent student dedicated to understanding the intricacies of the cosmos through disciplined studies and three undergraduate degree paths. Seeking opportunities to evolve as a physicist and mathematician in research-focused settings. Offers a wide range of interdisciplinary skills presented through an independent, creative, and free-thinking perspective.

## CORE QUALIFICATIONS

- Experience with teaching physics and mathematics at all levels
- Ability to learn and adapt quickly
- Outstanding attention to detail
- Confidence in creative problem solving
- Strong communication and collaboration techniques
- Zeal for seeing the vision of a project come to life

## EDUCATION

**2019-present**  **Bachelor of Science: Physics, Astrophysics, Mathematics**

**University of Cincinnati** — 2600 Clifton Avenue, Cincinnati, OH 45220

3.5 Cumulative GPA, Violet M. Diller Scholarship Recipient, Honors Student

**2018-2019**  **Bachelor of Fine Arts: Studio Art**

**The Ohio State University** — 281 W Lane Avenue, Columbus, OH 43210

4.0 Cumulative GPA, Transfer Student

**2016-2018**  **Bachelor of Science: Physics, Astrophysics, Mathematics**

**University of Cincinnati** — 2600 Clifton Avenue, Cincinnati, OH 45220

3.7 Cumulative GPA, Cincinnatus Scholar, Honors Student

**2016**  **High School Diploma**

**Bishop Ready High School** — 707 Salisbury Road, Columbus, OH 43204

3.9 Unweighted GPA, 8/96 Rank, Graduated with Honors, Class Vice President

## MEMBERSHIPS AND SCHOLARLY SOCIETIES

Sigma Pi Sigma Physics Honors Society Member, 2020-Present; University of Cincinnati Honors Program, 2017-Present; Society of Physics Students, Vice President 2017-2018; To Write Love On Her Arms (TWLOHA) UC Chapter, Executive Fundraising Chair, 2016-2017; National Honor Society (NHS), President, 2015-2016; National Beta Club, 2012-2016

## WORK EXPERIENCE

**08/2019 to Present**     **Undergraduate Research Assistant**

**UC Geology-Physics Building** — 345 Clifton Ct., Cincinnati, OH 45221

Works with a group specializing in machine learning networks for Neutrino identification, ultimately to be implemented in the future DUNE Experiment. Trains, optimizes, and analyzes a network to identify the most efficient parameters. Researches new methods for training models and experiments with their results.

**08/2017 to Present**     **Physics, Mathematics, Astronomy, and General Sciences Tutor**

**Chegg Tutors**—Online at Chegg.com

Tutors students in an online, interactive chat setting, answering questions and guiding in thinking through problems

**08/2017 to 04/2018**     **Physics Supplemental Instructor**

**UC Learning Assistance Center** — 2510B French Hall West, 2815 Scioto St., Cincinnati, OH 45221

Planned, structured, and led biweekly review session for students in a non-major physics course; attended lecture weekly, aiding with questions and acting as a model student; held weekly office hours for additional help to students.

**06/2018 to 04/2019**     **Sales Associate**

**Anthropologie**—625 N High St., Columbus, OH 43215

Assisted the sales team by working the floor, styling customers, contributing to store upkeep, and assisting on cash wrap.

**06/2016 to 08/2016**     **Lifeguard**

**The Big Splash**— 2831 Southwest Blvd., Grove City, OH 43123

Completed a rigorous Ellis & Associates training certification; responsible for ensuring the safety of all community guests; recipient of a monthly audit Award of Excellence.

## COMMUNITY SERVICE

**2019-Present**     **Volunteer**

**UC Math Circle** —Various local elementary and middle schools

Assisted in bi-monthly afterschool programs, leading groups of young students through math activities, challenges, and puzzles, while discussing and encouraging their interest in mathematics.

**2016-2017**     **Volunteer**

**Cincinnati Observatory**—3489 Observatory Pl, Cincinnati, OH 45208

Assisted in telescope operation and deep-sky viewing during community events.

**2012-2016**     **Volunteer**

**Run the Race Club**—880 S Wayne Avenue, Columbus, OH 43204

Supervised daily afterschool activities while interacting with inner-city children of low-income families to provide a safe, encouraging, and loving environment.