

Ryan Renganeschi

14 Pinetree Ln • Great River NY 11739 • rrengan511@gmail.com • (631) 793-1041

Education

MIAMI UNIVERSITY
B.S. Physics, Mathematics
Overall GPA: 3.40

Oxford, OH
Expected May 2027

CHAMINADE HIGH SCHOOL
High School Diploma
Overall GPA: 4.00

Mineola, NY
June 2023

Work Experience

MIAMI UNIVERSITY OFFICE OF RESIDENTIAL LIFE

Oxford, Ohio

Residential Assistant

August 2024 - Present

- Fostered an inclusive community with themed socials, peer mentorship, and service projects; enforced housing policies, ensured a secure environment, and supported student transition with alcohol awareness and mental health programs

Research Experience

SPECTROSCOPY EXPERIMENTALIST

Oxford, OH

Miami University Department of Physics

April 2024 - Present

- Conducted spectroscopy experiments involving molecular energy excitation and photon emission analysis
- Developed technical skills in data analysis, laboratory procedure, and teamwork in a collaborative research environment

COMPUTATIONAL ASTROPHYSICS THEORIST

Oxford, Ohio

Miami University Department of Physics

January 2024 - Present

- Applied computational techniques to simulate astrophysical scenarios and analyze complex systems
- Collaborating on advanced research to incorporate additional forces in galaxy modeling

Leadership Experience

PHI KAPPA PSI FRATERNITY

Oxford, OH

Vice President, Chairman of Scholarship Committee

January 2024 - Present

- Oversee chapter operations, ensuring effective communication and coordination across committees while fostering member engagement and development.

- Established a functional scholarship committee with processes, documents, and practices for current and future use

- Demonstrated commitment to academic excellence and service through event organization, peer mentoring, and advocacy for impactful initiatives

COMMUNITY LEADERSHIP TEAM

Oxford, OH

President

February 2024 - Present

- Engaged within the Residence Hall Association, spearheading initiatives to address residence hall and Miami community concerns, fostering leadership and enhancing campus living experiences

- Awarded "President of the Year Award" for excellence in role of president

Volunteer Experience

ECLIPSE AMBASSADORS OFF THE PATH

Oxford, OH

NASA Partner Eclipse Ambassador

October 2023 - April 2024

- Organized eclipse events for 200+ underserved community members, gaining NASA recognition and resources, and improving readiness for 2024 solar eclipse

- Acquired skills in public speaking, leadership, and communication developed by committing to outreach programs at libraries and community festivals

Extracurriculars

ASTRONOMY CLUB

Oxford, OH

Public Relations Chair

August 2023 - Present

- Developed and executed strategic communication plans to boost visibility and engagement, including managing social media accounts and creating promotional materials

SOCIETY OF PHYSICS STUDENTS

Oxford, OH

Member

August 2023 - Present

- Engaged as a member of the Society of Physics Students, a national organization dedicated to building a community of physics enthusiasts

UNDERGRADUATE ASSOCIATE

Oxford, OH

Peer Mentor

August 2024 - Present

- Served as an assistant to Miami's first year mathematics course for incoming students and created environments for students to learn from each other

Honors & Certificates

COMMUNITY LEADERSHIP TEAM PRESIDENT OF THE YEAR AWARD

- Awarded to the Community Leadership Team President who excelled in their position and outshined other Presidents in other Residential Halls

AP SCHOLAR WITH DISTINCTION

- Granted to students who receive an average score of at least 3.5 on all AP Exams taken, and scores of 3 or higher on five or more of these exams