**Cyrus Nosrati**

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**EDUCATION**

Case Western Reserve University Expected Graduation: May 2023

Candidate for Bachelor of Science in Applied Mathematics

Minors in Philosophy and Religious Studies

GPA: 3.79

**RELEVANT COURSEWORK**

Fundamentals of Analysis I, Statistical Methods I in R, Intro to Probability, Linear Algebra, Intro to Scientific Computing, Intro to Programming in Java, Elementary Differential Equations, Multivariable Calculus, General Physics I and II – Mechanics and Electromagnetism

**WORK EXPERIENCE**

Cleveland Clinic Lerner Research Institute, Scott Lab | Cleveland, OH January 2021 – Present

*Research Student*

* Research over modeling the effect of changing game dynamics on evolution
* Incorporated Evolutionary Game Theory into a Wright-Fisher evolution model in Python primarily working within the NumPy library

Case Comprehensive Cancer Center | Cleveland, OH June 2021 – August 2021

*Cancer-Focused Summer Undergraduate Research (CanSUR) Scholar*

* Participated in a 10-week REU in the Scott Lab with mentored research experience on the evolution of cancer cells
* Presented findings on evolutionary game dynamics at the CanSUR research symposium

Linsalata Alumni Center | Cleveland, OH August 2020 – February 2021

*Student Ambassador*

* Raised over $13,500 individually from donors for CWRU (highest of the student ambassadors for fall semester)

**LEADERSHIP ACTIVITIES AND MEMBERSHIPS**

National Society of Leadership and Success

*Executive Board: IT Coordinator* (February 2021 – Present)

* One of ten founding members of the CWRU chapter with a mission to teach important leadership skills and guide members to their academic and personal goals
* Created and managed a chapter email used in recruiting over 150 new members in fall of 2021

Delta Sigma Phi Fraternity Iota Iota Chapter

*Executive Board: New Member Educator* (November 2020 – Present)

* Responsible for teaching new members the values of our fraternity to push a virtuous and progressive culture in the Greek Life community
* Mentored the largest pledge class in two years in fall of 2021

CWRU Math Club

*Member* (April 2021 – Present)

* Participant of bi-weekly discussions concerning problems and topics in mathematics