

NICOLE F. KONFORTI

271 West 122nd Street Unit A 10027 • 646.416.3034 • nicole.konforti@columbia.edu

EDUCATION

- Columbia University in the City of New York, Columbia College** **Sept 2016 – May 2020**
Major: Computer Science; Minor: Economics
Overall GPA: 3.84 / 4.00 (Dean's List both semesters)
Relevant courses: Data Structures in Java, Discrete Mathematics, Linear Algebra, Advanced Programming in C
- The High School for Math, Science, and Engineering at the City College of New York** **Sept 2012 – May 2016**
Overall GPA: 99.13 / 100.00

WORK & VOLUNTEER EXPERIENCE

- Teaching Assistant - Columbia University, New York, NY** **Sept 2017 – Present**
Department of Computer Science, Emerging Scholars Program
 - Teach introductory Computer Science course to over 100 students, organize lessons and guest speakers
- Researcher - Columbia University, New York, NY** **Dec 2016 – Present**
Department of Physics, Laboratory of Astrophysics
 - Study gravitational wave detection in order to make recognition of black holes more accurate and sensitive (LIGO, VIRGO, GEO)
- Researcher - Columbia University, New York, NY** **May 2017 – Present**
Department of Pediatrics and Pathology & Cell Biology
 - Study the pathology of childhood tumors for the direct benefit of children, as well as breast cancer patients
- Researcher - The Rockefeller University, New York, NY** **May 2015 – Sept 2015**
Laboratory of Neurogenetics & Behavior
 - Studied salt preferences of mosquitos to understand their attraction to blood in order to prevent disease such as Malaria
- Volunteer - Mount Sinai Hospital, New York, NY** **Sept 2015 – July 2016**
Departments of Cardiothoracic Surgery & Psychiatry
 - Shadowed patient consults, scrubbed into surgeries to observe; consulted with patients in the geriatric and adult psychiatric wards
- Secondary investigator - Mount Sinai Hospital, New York, NY** **Sept 2014 – July 2016**
Department of Radiology
 - Created a way in which to study the correlation between cocaine craving and white matter tracks in human brains using MATLAB
 - Became a Semifinalist in the New York City Science & Engineering Fair for this study and my usage of lie detection to correlate
- Paid intern - Memorial Sloan Kettering Cancer Center, New York, NY** **May 2014 – Sept 2014**
Intensive Care Unit of Oncology
 - Assisted Dr. Louis Voigt to study the effect of light & sound in the ICU on patients' well-being, contributed to a published paper

LEADERSHIP & HONORS

- President - Junior State of America (Debate Team), New York, NY** **Sept 2013 – July 2016**
 - Organized and fundraised over \$10,000/year for state and national debate competitions in Boston, MA and Washington, DC
- President - National Honors Society, New York, NY** **Sept 2013 – Present**
 - Organized student events such as the Breast Cancer Awareness Walk, weekly tutor for students in Spanish, Math, and Biology

EXTRACURRICULAR ACTIVITIES

- Fundraising Chair - Sigma Delta Tau, New York, NY** **Sept 2017 – Present**
Columbia University chapter
 - Raise over \$10,000/semester that goes to Prevent Child Abuse America with multiple events with over 200 participants
- Student Alumni Mentor - Department of Education, New York, NY** **Sept 2016 – Present**
Project Rousseau, Alumni Mentoring Program
 - Mentor middle schoolers in NYC public schools, help encourage them to apply to the specialized high school system
- Orientation Leader - Columbia University, New York, NY** **Mar 2017 – Present**
New Student Orientation Program
 - Organizes and leads events for over 1,200 first-year students to help them integrate into the college community

SKILLS & INTERESTS

Skills: Public speaking, Autodesk Inventor and Revit, programming in Java, R and MATLAB, Spanish (Intermediate/Advanced)

Interests: Music, piano (focus on classical and jazz, 12 years), art, debate, yoga, traveling (New Zealand, India, Yucatan), photography, soccer, ballet, swimming/diving