

Joseph Corrado

jgc375@nyu.edu | 516-680-6221

EDUCATION

NEW YORK UNIVERSITY BA IN PHYSICS

May 2019 | New York, NY
Secondary Major in Mathematics
College of Arts and Sciences
Cum. GPA: 3.746 / 4.0

LINKS

Github://jccorrado76
LinkedIn://joseph-corrado-9737b2a6/

COURSEWORK

UNDERGRADUATE

Computational Particle Physics
(Research Asst.)
Quantum Mechanics
Electricity and Magnetism
Dynamics
Linear Algebra
Calculus
Probability and Statistics
Object Oriented Programming

SKILLS

PROGRAMMING

Python (scientific stack) • Shell • C++
(ROOT framework) • Mathematica
LaTeX • VBA

EXPERIENCE

NYU PHYSICS DEPARTMENT | GENERAL PHYSICS I TUTOR

September 2017 – December 2017 | New York, NY

- Tutored introductory physics to students in the college of arts and sciences.

COURANT INSTITUTE OF COMPUTATIONAL SCIENCES

| CALCULUS AND LINEAR ALGEBRA TUTOR

September 2016 – May 2017 | New York, NY

- Privately tutored Calculus I, II, and III to students. Also taught Linear Algebra for the department.

RESEARCH

NYU EXPERIMENTAL PARTICLE PHYSICS | UNDERGRADUATE RESEARCH ASSISTANT

September 2016 – Present | New York, NY

Worked with Prof Allen Mincer to perform an analysis of the efficiency of algorithms used at the ATLAS experiment at CERN. Determined thresholds needed to combine algorithms such that we get a higher efficiency.

CENTER FOR SOFT MATTER | UNDERGRADUATE RESEARCH ASSISTANT

May 2016– September 2016 | New York, NY

Studied random organization of particles in an emulsion when an external periodic shearing force is applied. Prof Paul Chaikin

AWARDS

2017 Fall NYU DURF Dean's Undergraduate Research Fund Recipient

SOCIETIES

2017 National Sigma Pi Sigma Physics Honor Society