

# Ivan E. Perez

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Hunter College (graduated)  
Department of Mathematics and Statistics (graduated)  
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## Education

**Hunter College - City University of New York**  
M.A., Statistics and Applied Mathematics, 2020.  
Concentration: Financial Mathematics  
**Boston University**  
B.A., Chemistry, 2014.

## Thesis

“A Study of CUSUM Statistics on Bitcoin Transactions”  
Designed a CUSUM alarm scheme to identify periods of elevated price action for a timeseries of bitcoin market orders.

## Research and Experience

**Permanent Mission from Dominican Republic to the UN**, New York, NY  
Adviser - 2nd Committee, March 2019 - September 2019  
**Élan Chemical Company**, Newark NJ  
Organic Chemist, December 2015 - March 2016  
**Cabot Corporation**, Billerica, MA  
Research Associate - Performance R&D, June 2014 - October 2015  
**Beeler Group at Boston University**, Boston, MA  
Undergraduate Research Associate, September 2012 - May 2014  
Research Topic: Probing Mechanism of Action of Prion Protein Scrapie Proliferation Inhibitor.

## Teaching

**Department of Chemistry, Hunter College**  
Adjunct Lecturer, Principles of Organic Chemistry, Spring 2020  
Adjunct Lecturer, Organic Chemistry I Lab, Spring 2017, Fall 2017, Fall 2019  
**Department of Chemistry, New York City College of Technology**  
Senior College Laboratory Technician, Organic Chemistry I & II, 2017-2018  
Senior College Laboratory Technician, General Chemistry I & II, 2017-2018  
**Department of Mathematics & Statistics, Boston University**  
Course Grader, Calculus for the Life and Social Sciences I, Spring 2013,  
Summer I & II 2013, Fall 2013, Spring 2014  
Course Grader, Calculus II, Spring 2012

## Presentations

Undergraduate Research Symposium at Boston University, Boston, MA (October 17, 2012).

## Awards and Fellowships

Joseph A. Gillette Memorial Prize, Hunter College, 2020  
UROF Student Research Award, Boston University, 2013  
UROF Faculty Matching Grant, Boston University, 2012

## Languages and Skills

English (native), Spanish (fluent)  
Python, L<sup>A</sup>T<sub>E</sub>X, Mathematica, R