Daniel J. Rozenzaft E-mail: [daniel.rozenzaft@macaulay.cuny.edu](mailto:daniel.rozenzaft@macaulay.cuny.edu) Citizenship: USA

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EDUCATION

**CUNY Macaulay Honors College at Hunter College,** New York, New York, GPA: 4.0

Bachelor of Arts, Statistics and History, *Phi Beta Kappa*, expected graduation in May 2021

Coursework: Probability Theory, Derivative Pricing, Mathematical Finance and Statistics, Stochastic Processes, Machine Learning, Linear Algebra, Artificial Intelligence, Econometrics, Differential Equations, Multivariable Calculus, Historical Research

**Stuyvesant High School,** New York, New York, Class of 2018, GPA: 95.69

Coursework: Java and Python Programming, Calculus, Microeconomics

WORK EXPERIENCE

**U.S. Securities and Exchange Commission,** Washington, DC **May 2020 – Jul 2020**

Division of Economic and Risk Analysis*, Data Science Intern*

Developed and contributed Python code and methodologies for predictive analytics and research projects

· Analyzed CRSP stock price and market index data for reconciliation with securities litigation outcomes

o Collaborated with senior applied mathematician and financial economist to plan research goals and process data quality issues

o Presented research question, data, analysis, and challenges to a group of DERA economists

o Completed data set will be used to train ML–based classification algorithm

· Experimented with various textual analysis packages to extract keywords from sensitive dataset

o Keyword separation methods included document distance metrics and chi-square hypothesis tests on keyword appearances

· Presented Python date functionalities to team research group

o Introduced key variables and functions from datetime, calendar, and dateutil modules

o Referenced specific applications to securities litigation project

**Dolciani Math Learning Center,** New York, New York **Jan 2020 – Present**

Hunter College, *College Mathematics Tutor*Provide individual and small-group tutoring services for undergraduate students in college algebra, calculus, linear algebra, and statistics

· Give brief demonstrations and answer questions in classrooms, learning center, and Zoom environments

· Conduct summer boot camps in introductory algebra, functions and precalculus, and word problem interpretation

· Lead weekly individual tutoring sessions with student in probability theory throughout the fall semester

**The Data Coalition,** Washington, DC **Jun 2019 – Aug 2019**

Coalition Staff, *Research Intern*

Drafted research notes to monitor legislation, trends in data tools, and prospective Coalition partners

· Developed digital tools to display reference data and quantify engagement and outreach for 38 member companies

o Replaced previous spreadsheet-based information storage system with Python script to generate succinct summary memos

o Memos are used to educate new and potential Coalition employees and partners on the business models and goals of current member companies

· Created weekly compilations of trends in data tools in the public and private sectors for internal reference

o Supplemented research by attending and taking notes at congressional hearings

o Used by Coalition to track policy wins and congressional action on open data initiatives

ACTIVITIES

**Leon Cooperman Business Fellow**  **May 2019 – Present**

Hunter College Pre-Business Cohort

**Hunter College Chess Club**  **Aug 2018 – Present**

Treasurer (May 2020 – Present)

**CSTUY SHIP Summer Coding Program** **Jul 2016 – Jul 2017**

Student (Summer 2016) and Volunteer Teaching Assistant (Summer 2017)