

# Anna Effenberger

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## EDUCATION

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**Cornell University**, College of Arts and Sciences, Ithaca NY August 2019 – (expected) December 2022  
B.A. in Statistical Sciences and Economics; Minor in Computer Science

GPA: 4.1/4.0. Dean's List, Fall '19

Coursework: *Functional Programming, Object Oriented Programming and Data Structures, Discrete Structures, Multivariable Calculus, Linear Algebra, Probability Models and Inference, Intermediate Micro-/Macro-Economics*

Skills: R, Python, Java, Microsoft Office (Excel, Word, PowerPoint)

**Ranney School**, Upper School, Tinton Falls NJ August 2015 – May 2019  
GPA: 101.20/100. SAT: 1560/1600. Valedictorian, Cum Laude, National Honors Society

## RESEARCH AND TECHNICAL EXPERIENCE

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**Cornell Tech**, Language, Interaction, and Learning (LIL) Lab (remote) New York City, NY  
*Research Intern (NSF REU)* June 2020 – August 2020

- Explored fundamental questions in natural language processing (NLP) using Python and R as part of Professor Yoav Artzi's research project, "Scalable Learning and Models for Mapping Instructions to Actions"
- Analyzed a large corpus of language interaction data collected from the CerealBar dataset with tools such as spaCy and BERT to investigate individual and communal linguistic dynamics in a collaborative environment

**Data Science Project** Ithaca, NY  
*Researcher, Cornell Department of Statistical Sciences* January 2020 – present

- Examined juror questioning transcripts in death penalty cases using NLP tools in Python and R
- Investigated language used in the systematic removal of under-represented demographic groups from the juror pool through collaboration with the Cornell Law School, under the guidance of Professor Martin T. Wells

**Commvault** Tinton Falls, NJ  
*Software Development Intern* September 2018 – February 2019

- Self-taught Python, database skills (SQL), and object-oriented design principles through practical application
- Executed projects to create storage array-based snapshots using Python and HPE Nimble Storage arrays
- Implemented and enhanced REST-based calls to Commvault's Enterprise Backup and Recovery solutions

## AWARDS AND RECOGNITIONS

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**Scholar, Tripods Data Science NSF REU** August 2020  
- Selected as one of 15 scholars for the 2020 Tripods Data Science REU at the University of Rochester to study mathematical foundations of data science and to implement mathematical theory in applied research projects

**Top 20% Nationally, MathWorks Math Modelling (M3) Challenge** March 2019  
- Wrote solution paper using statistical methods for data analysis in MATLAB to model teenage drug use

**Researcher, NJ Governor's School of Engineering and Technology** October 2018  
- Selected to attend one-month intensive program at Rutgers University and conducted research in small groups  
- Co-authored *Fabrication and Characterization of Polymeric Aortic Vessels*, paper accepted for presentation at the 2018 IEEE MIT Undergraduate Research Technology Conference

## BUSINESS AND FINANCE EXPERIENCE

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**The Cornell Hedge Fund (CHF)** Ithaca, NY  
*Analyst* January 2020 – present

- Completed an intensive professional development program as a member of the Spring 2020 Analyst Class, including financial modeling and industry research to pitch a security towards CHF's \$10,000 portfolio
- Informed investment decisions as Portfolio Monitor by performing due diligence on a stock in CHF's portfolio throughout the fall semester and presenting updates to guide the decisions of the investment committee

**Vantage Brand Consulting (VBC) by Hospitality Sales & Marketing Association Intl.** Ithaca, NY  
Project Manager September 2019 – present

- Obtained new clients and led meetings for VBC's pro-bono sales and marketing consulting services
- Conducted market research to develop and adapt marketing and philanthropic strategy during COVID-19
- Designed strategy to increase the diversity of student populations served by client education non-profit

**Independent Investment Analysis Project** August 2020 – present

- Exploring correlations between historic stock movement and relevant popular online news sentiment using web-scraping and NLP tools in Python to identify indicators of future falls and rallies in individual stocks

**Independent Visual Art Practice** June 2015 – present

- Created original paintings and drawings and sold originals, prints, and commissions to clients across the U.S.
- Displayed artwork at the U.S. Capitol and selected for publication in local magazines and art anthologies
- Marketed art online via Instagram and website ([www.annaeffenbergerart.weebly.com](http://www.annaeffenbergerart.weebly.com)) using Google Analytics

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## ***AWARDS AND RECOGNITIONS***

***Selected Participant, 2020 Cornell Undergraduate Women in Investing (WIN) Conference*** September 2020

***Selected Participant, MongoDB Women in Computer Science Summit*** August 2020

***Selected Participant, Citi Freshman Diversity Discovery*** July 2020

***Finalist, Adecco Group U.S. 2020 CEO for One Month*** May 2020

- Selected as one of ten finalists from over 6,000 applicants to attend Adecco's corporate strategy bootcamp

***Selected Participant, Discover Bloomberg: Women in Engineering*** April 2020

***Selected Participant, Morgan Stanley Women's Early Insights*** April 2020

***Best in Show, Congressional Art Competition, NJ District 4*** May 2019

- Artwork *Family Tree* selected for display at the U.S. Capitol for one year