Anna Effenberger

ae347@cornell.edu | annaeffen.github.io

EDUCATION

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
> Milstein Program in Technology and Humanities Scholar
> Coursework: *Object Oriented Programing and Data Structures, Multivariable Calculus, Linear Algebra, Probability Models and Inference, Introduction to Law, Intermediate Macroeconomics, Introductory 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

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

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

The Cornell Hedge Fund   Ithaca, NY
Analyst, *Spring 2020 Analyst Class*   January 2020 – present
- Completed an intensive professional development program including financial modeling, industry research, and valuations to strengthen technical skills and pitch a security towards the organization's $10,000 portfolio

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) using Google Analytics

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