

Anna Effenberger

ae347@cornell.edu | annaeffen.github.io

EDUCATION

Cornell University, College of Arts and Sciences, Ithaca NY
B.A. in Statistical Sciences and Economics; Minor in Computer Science
GPA: 4.1/4.0. Dean's List

August 2019 – (expected) May 2022

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

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

RESEARCH AND TECHNICAL EXPERIENCE

Goldman Sachs

Incoming Quantitative Strategies Summer Analyst

New York City, NY

June 2021 – August 2021

Cornell Tech, Language, Interaction, and Learning (LIL) Lab

Research Intern (NSF REU)

(remote) New York City, NY

June 2020 – present

- Explored fundamental natural language processing (NLP) questions with Python and R as part of the research project “Language and Behavior Dynamics in Collaborative Instruction Following” under Professor Yoav Artzi
- 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

Researcher, Cornell Department of Statistical Sciences

Ithaca, NY

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

Software Development Intern

Tinton Falls, NJ

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 (CHF)

Analyst

Ithaca, NY

January 2020 – present

- Informed investment decisions as Portfolio Monitor by performing due diligence on a stock in CHF's portfolio throughout the semester and presenting updates to guide the decisions of the investment committee
- Developed a pitch towards CHF's \$10,000 portfolio as an Analyst for the Technology, Media, and Telecommunications fund, completing financial modeling, company valuation, and industry research
- Designed marketing materials for CHF's recruitment cycles to attract and engage potential applicants

Vantage Brand Consulting (VBC) by Hospitality Sales & Marketing Association Intl. Ithaca, NY
 President December 2020 – present

- Oversaw club management and coordinated with the rest of the executive board for smooth management
- Reorganized club to create an inclusive environment with a focus on member commitment to high quality work

Project Manager September 2019 – December 2020

- 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 – September 2020

- 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, 2021 Citi Technology Early ID (EID) Program February 2021

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

Selected Participant, MongoDB Women in Computer Science Summit August 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

Interests: Golf (handicap 10); Tennis; Piano; Art; Graphic Design