Anna Effenberger

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EDUCATION

Cornell University, College of Arts and Sciences, Ithaca NY   August 2019 – (expected) May 2022
B.A. in Statistical Sciences and Economics; Minor in Computer Science
GPA: 4.1/4.0. Dean's List
      Coursework: *Machine Learning, Artificial Intelligence, Functional Programming, Object Oriented Programing and Data Structures, Linear Algebra, Stochastic Processes, Theory of Statistics, Econometrics, Game Theory*
      Skills: *Python, R, OCaml, Java, Microsoft Office (Excel, Word, PowerPoint)*

RESEARCH AND TECHNICAL EXPERIENCE

Goldman Sachs   New York City, NY
Quantitative Strategies Summer Analyst (Prime Risk Strats, Ficc GCEM Strats)   June 2021 – August 2021
- Analyzed past SPAC (Special Purpose Acquisition Company) performance to more accurately capture clients' investment risk, identify when the greatest risk occurs, and inform how to best protect against these risks
- Developed a new margining methodology for SPAC products (unit, stock, warrant, option), which calculates risk charge attributions to offer a more competitive price without substantially increasing risk exposure
- Set up a new interest rate futures contract in the firmwide trading system by implementing the price calculation, interest rate curve calibration, risk calculation across different tenors, and trade booking integration
- Created a proof-of-concept for the use of alternative data sources to train a price quoting neural network model

Cornell Tech, Language, Interaction, and Learning (LIL) Lab   (remote) New York City, NY
Research Intern (NSF REU)   June 2020 – May 2021
- Conducted NLP (Natural Language Processing) research with Python and R under Professor Yoav Artzi
- Analyzed a large corpus of language interaction and task performance data from the CerealBar dataset to investigate individual and communal linguistic dynamics over time in a collaborative environment
- Built machine learning models with PyTorch to simulate pragmatic language dynamics in a collaborative task

Cornell Department of Statistical Sciences   Ithaca, NY
Lead Researcher   January 2020 – present
- Investigated language used in the systematic removal of under-represented demographic groups during juror questioning and selection (voir dire), under the guidance of Professors John Blume and Martin T. Wells
- Developed a novel framework in Python and R to analyze juror questioning in death penalty cases and demonstrated a proof-of-concept to provide statistical evidence for future courtroom appeals
- Presented technical statistical and computational NLP analyses to a broad audience in the Cornell Law school

PUBLICATIONS

Analysis of Language Change in Collaborative Instruction Following. Anna Effenberger, Eva Yan, Rhia Singh, Alane Suhr, Yoav Artzi. *Findings of EMNLP 2021 Short Paper*. doi: 2109.04452

CAMPUS EXPERIENCE

The Cornell Hedge Fund (CHF)   Ithaca, NY
Chief Investment Officer   May 2021 – present
- Managed CHF's investment process and $13,000 portfolio and executed trades based on funds' analyses
- Established investment criteria, led investment committee discussions, and provided feedback on pitches
- Increased portfolio transparency with biweekly newsletters and greater communication with fund managers
New Member Educator   January 2022 – present
- Created and delivered an education series to teach 8 new club members finance industry fundamentals in 9 weeks, including presentation skills, valuation methods, and comparable company analysis
Analyst   January 2020 – May 2021
- Conducted financial modeling and company and industry research as an analyst in the Telecommunications, Media & Technology (TMT) and Industrial verticals to successfully pitch a new stock towards CHF's portfolio

Vantage Brand Consulting (VBC) by **Hospitality Sales & Marketing Association Intl.**   Ithaca, NY

President   December 2020 – May 2021
- Revitalized organization by restructuring the executive board, communication channels, and general body meetings to create a supportive environment with analysts committed to producing high quality work for clients
- Increased active analyst membership by over 180% and analyst retention to 80% between semesters

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 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

Fellow, Theodore Eisenberg Research Fellowship   2022
- Selected as Fellow to further empirical legal studies at Cornell University

Fellow, D.E. Shaw's Zenith Fellowship   2021
- Selected as Fellow to explore the intersection of finance and technology at D.E. Shaw

Scholar, Tripods Data Science NSF REU   2020
- Selected as one of 15 scholars for the 2020 Tripods Data Science REU at the University of Rochester

Best in Show, Congressional Art Competition, NJ District 4   2019
- Artwork *Family Tree* selected for display at the U.S. Capitol for one year

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