

Colby Eagan

colbyeagan6@gmail.com • (980) 622-3389 • colbyeagan.github.io • linkedin.com/in/colbyeagan

WORK EXPERIENCE

Syracuse University

May 2024 – Present

NSF Research Fellow

Syracuse, NY

- Funded by the National Science Foundation to spend summer of 2024 researching Natural Language Processing and Large Language Models at Syracuse University

University of North Carolina Chapel Hill / University of Pennsylvania

Aug 2022 – Present

Researcher

Remote

- Trained Clustering Classification Model to 90% precision on holdout set of 5,000 academic research papers
- Contributing as author and research engineer on high impact computational sociology publication with presidential and distinguished professors Dr. Deen Freelon and Dr. David Lazer

SAS Institute

May 2023 – Aug 2023

Software Developer Internship

Cary, NC

- Engineered yaml files to execute multi-tenant cloud pipeline scripts, reducing testing down time by 80% and eliminating 30% of DevOps cloud computing hardware costs
- Reduced codebase testing time and recouped team budget from eliminating computing costs, leading to increase in quarterly profit and higher developer productivity

Discovery Capital Management

May 2022 – Aug 2022

Quantitative Researcher Internship

Norwalk, CT

- NLP pipelines implemented for public sentiment insights in 5m portfolio, reducing manual research by 90%
- Fine tuned sentiment analysis with NLTK and Vader to summarize Twitter Api metadata in financial context

EDUCATION

University of North Carolina at Chapel Hill

2026

BS Statistics, BA Computer Science | 3.8 GPA

Chapel Hill, NC

- Relevant Coursework: Data Structures and Algorithms, Research in Computer Science, Discrete Math, Foundations of Programming, Web Development, Linear Algebra, Methods of Data Analysis, Multivariable Calculus, Computer Systems Fundamentals (C)
- UNC Pokerbots VP and Founder (sponsored by Jane Street) • Biokind.org VP and chapter founder • UNC AI Hackathon 2nd place (LLMs) • Dean's List (23'-24')

SKILLS

Technical: • Python • Java • R • Statistics / ML • Data cleaning • Data visualization • Ai / Deep learning

Language: • English (native) • Spanish (fluent)

PROJECTS

AFTSA (APIs For Time Series Analysis) - Python Package

Project – Link: pypi.org/project/AFTSA/

- Received over 14,000 downloads, this tool for creating time series from API get requests and other query-style datasets is used in various web apps and research projects requiring proprietary time series construction
- Leverages statistically robust time series concepts for API requests, enabling real-time data ingestion, production, and storage for advanced time series and regression analysis