

Colby Eagan

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WORK EXPERIENCE

National Science Foundation

May 2024 – Present

NSF Research Fellow

Syracuse, NY

- Funded by the National Science Foundation to spend summer of 2024 creating new knowledge in the fields of applied Natural Language Processing and Large Language Models

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

- Coursework: Data Structures and Algorithms, 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')

Coursera

- Neural Networks and Deep Learning (DeepLearning.AI Credential ID UW2W8TT9NSME)

SKILLS

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

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