

# Colby Eagan

980-622-3389 | ceagan@unc.edu | linkedin.com/in/colbyeagan | colbyeagan.github.io

## EDUCATION

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### University of North Carolina at Chapel Hill

Chapel Hill, NC

*BS Statistics, BA Computer Science | 3.8 GPA*

May 2026

• 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)

## SKILLS

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**Technical:** • Python • Java • APIs • HTML • CSS • JSON • CSV • Yaml • Correlation Statistics • ML

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

## WORK EXPERIENCE

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### Syracuse University

Syracuse, NY

*NSF Research Fellow*

May 2024 - Aug 2024

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

### Biokind Analytics

Chapel Hill, NC

*Data Science Team Lead and Founder - [www.biokind.org/](http://www.biokind.org/)*

Aug 2023 - Present

• Statistics and data science director managing team of 10 analysts to work for 9 figure nonprofits  
• Increased nonprofit donations by 100k after leading analysts to feature engineer 20k rows of data and utilize inferential statistics to pinpoint outlying donor data  
• Founded Biokind.org chapter at The University of North Carolina and transformed into functioning non-profit with over 20 members

### University of North Carolina Chapel Hill / University of Pennsylvania

Chapel Hill, NC

*Researcher*

Aug 2022 - Present

• Trained NLP random forest algorithm to classify 5,000 academic sociology papers with 90% accuracy  
• Contributed as author and research engineer on computational sociology publication with Dr. Freelon and David Lazer

### SAS Institute

Cary, NC

*Software Developer Internship*

May 2023 - Aug 2023

• 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  
• Saved time for engineers testing their code and recouped team budget from eliminated computing costs, leading to increase in quarterly profit and higher developer productivity

### Discovery Capital Management

Norwalk, CT

*Quantitative Researcher Internship*

May 2022 - Aug 2022

• NLP pipelines implemented for insights in 5m portfolio subsequently reducing manual research by 90%  
• Fine tuned sentiment analysis with NLTK and Vader to summarize GET requests in financial context

## PROJECTS

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### AFTSA (APIs For Time Series Analysis) - Python Package

*Personal Project – [pypi.org/project/AFTSA/](https://pypi.org/project/AFTSA/)*

• With over 12,000 downloads, this tool for creating time series from API get requests and other query-style datasets is used in many 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