

Colby Eagan

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WORK EXPERIENCE

Oliver Wyman

Summer Associate

May 2024 – July 2024

Raleigh, NC

- Working on financial services and quantitative analytics teams to help major financial institutions with credit, liquidity and capital planning, stress testing, regulatory response work, and market risk

National Science Foundation

Research Fellow

May 2024 – July 2024

Syracuse, NY

- Lead reduction of NSF grant allocation speed by 50% through automating the vetting of over 2000 proposals
- Spearheaded deep learning efforts to optimize operations and business needs while simultaneously contributing to the front lines of science
- Fine tuned large language models for 80% accuracy on Named Entity Existence (NEE) tasks, expanding upon the limited field of Named Entity Recognition (NER)

SAS Institute

Software Developer Internship

May 2023 – Aug 2023

Cary, NC

- Recouped 20% of team budget through client meetings and design advisory, leading to increase in quarterly profit by 20m and higher developer productivity
- Engineered bash scripts to reduce code testing time by 80% and eliminate 30% of development operations and cloud computing hardware costs

Discovery Capital Management

Quantitative Researcher Internship

May 2022 – Aug 2022

Norwalk, CT

- Reduced manual research by 90% through implementing natural language processing (Vader) for sentiment insights on 10m portfolio
- Defended findings and technical advances to portfolio managers and COO, leading to strategy implementation

EDUCATION

University of North Carolina at Chapel Hill

BS Statistics, BA Computer Science | 3.75 GPA

2026

Chapel Hill, NC

SKILLS AND INTERESTS

- **Skills:** Spanish (working fluent), Python, R, Java, C, C++, SQL, Deep Learning, ML, Statistics
- **Interests:** Academic research, pure math, financial markets, game theory

PROJECTS / LEADERSHIP

AFTSA (APIs For Time Series Analysis) - Open Source Software

Published Sept 2023

- Created open source software which received over 20,000 downloads; this tool for creating time series visualizations from datasets is used in thousands of web apps and research projects involving time series
- Code, documentation, and download statistics can be viewed here: pypi.org/project/AFTSA/

Biokind.org Chapter Founder and Vice President

Aug 2023 – Present

- Partnered with multiple 8 figure revenue non-profits by marketing the offerings of 20 person analytics team
- Presented analytics to non-profit executives with actionable advice for improving 8 figure fundraising efforts