

COLLIN DOUGHERTY

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Academic Information:

University of Nebraska-Lincoln, Class of 2022

Bachelor of Science in Arts and Sciences

Majors: Mathematics, Psychology

Minors: Statistics

GPA: 3.90/4.00

ACT Score: 35 (36 superscored)

SAT Score: 1590 (perfect score on math section)

Website: www.collindougherty.com

Top Honors/Awards:

Eastman Scholarship

Awarded to the best 5 UNL mathematics majors

TOYO! Teen 2018

Awarded to the 10 most outstanding Omaha teens

Big Red Scholar

Honor for most distinguished incoming UNL freshmen in 2018-19

US Presidential Scholar Nominee

Nominated for most prestigious national award for high-schoolers

Craig Dickinson Memorial

Awarded to the top academic homeschooler in the nation

Other Awards/Honors: Chancellor's Scholarship, National Merit Scholar, National AP Scholar, American Citizenship Award, President's Award for Educational Excellence, Graduation with Distinction

Relevant Experience

Nebraska Athletics Data Scientist (Spring 2019-Current)

Worked in the Nebraska Athletic Performance Lab and the Husker Sports Analytics Department. Used machine learning to analyze current player performance and build predictive models. Worked with baseball, softball, volleyball and tennis teams. Data collection, dataframe management, data cleaning, model building and testing. Worked under Tucker Zeleny, key to founding department, and Brad Smith, formerly with Yankee baseball analytics department.

Barna Group Data Analyst (Internship Summer 2021)

Barna Group is widely considered to be a leading research organization focused on the intersection of faith and culture. Working in the research department, I had the opportunity to seek the story behind the data. Through the usage of data analysis skills and methodologies, I worked to understand data collected from around the world. In addition to analysis, I worked to plan study methodologies, wrote survey questions, and interacted with clients and the Church to provide knowledge to navigate a changing world.

Stock Market Analysis, Trading and Modeling (2019-Current)

Research technical indicators for financial markets, which are used to design, code, and implement models used to make profitable decisions regarding price action and direction of equity and cryptocurrency markets. Models are continually back tested against historical data to improve predictive abilities and manage risk. Additional implementation of price action trading strategies. Trading strategies beating indexes by nearly 50% in past 6 months, amidst market correction.

Resident Assistant at University of Nebraska-Lincoln (Fall 2019-Current)

Resident Assistant in Knoll Residential Center, role entails community building, event planning, enforcing housing policy and integrating the Honors program with housing. Also involves acting as a role-model, providing support, and connecting residents with campus resources. UNL Resident Assistant of the Month (October 2019), UNL Student Staff Member of the Month (October 2020), 3 Time Nominee for RA/Student Staff of the Month

Coding and Designing Websites / Content Creation (2021-Current)

Personally coded and designed website: collindougherty.com

Software/Coding Experience

R, Matlab, Latex, Excel