

## COLLIN DOUGHERTY

440 N 17<sup>th</sup> St | Lincoln, NE 68508 | (402) 709-3152 | collindougherty@huskers.unl.edu

### 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 (800 math)

Website: [www.collindougherty.com](http://www.collindougherty.com)

### Honors/Awards:

**Chancellor's Scholarship**

Awarded to National Merit Finalists attending UNL

**Eastman Scholarship**

Awarded to top UNL mathematics majors

**TOYO! Teen 2018**

Recognized as one of 10 outstanding young Omaha teens

**Big Red Scholar**

Honored as top 1% of UNL freshmen in 2018-19

**Craig Dickinson Memorial**

National scholarship for top academic homeschooler

**US Presidential Scholar Nominee**

Top 1% of seniors invited to apply for Presidential Scholar

**National Merit Scholar**

Winner of National Merit Scholarship Competition (Top 1%)

**National AP Scholar**

Highest award for performance on AP exams

**American Citizenship Award**

Recognizes students possessing strong character and leadership

**President's Award for Educational Excellence**

Awarded to top high-schoolers based on national exams and GPA

**UNL Honors Program and Scholarship**

Scholar in good standing, recipient of book scholarship

**UNL College of Arts & Science's Deans List**

Fall Semester 2018, Spring 2019, Fall 2019

### Leadership/Volunteer/Work Experience:

Barna Group Research Intern (June 2021-September 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.

University of Nebraska-Lincoln Sports Analytics Department Intern (Summer 2019, Spring 2021)

Summer 2019 - Worked to **collect** and **analyze data** for volleyball team, baseball team, and men's and women's tennis teams for the University of Nebraska. Part of the sports analytics department, role involved **manual collection of data**, determining **creative** ways to **obtain data**, and **automating data collection**. Additionally, the role involved extensive **analysis of data**, using software **R** and **Excel**. Required creative applications of **data analysis skills** to **interpret** and analyze available data. Project completion resulted in **predictions** and recommendations for change of current player assessments and development process.

Spring 2021 - Worked with the softball program to **collect** and **analyze data** for the softball team at the University of Nebraska. As a part of the Sports Analytics Department, the role involved **manual collection of live game data** and **analysis** of collected data, including pitch and batted ball tracking. Working directly with the coaching staff, this data enabled better **predictions of opponent tendencies** in live game situations, as well as assessment of team and player strengths and weaknesses.

### Accomplishments:

Nebraska Baseball Skill Analysis and Prediction Project - involved analyzing player performance to predict future results, enabling coaches to better evaluate available talent when determining playing time

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### Nebraska Athletic Performance Lab Data Analytics Intern (Spring 2022-Current)

Worked in the Nebraska Athletic Performance Lab, where I used a variety of data to improve the baseball team's performance through the aid of statistical methodologies and software.

### Resident Assistant (RA) at University of Nebraska-Lincoln (Fall 2019-Present)

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 emotional **support**, and connecting residents with campus resources.

#### **Accomplishments:**

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

### **Other Activities:**

#### Independent Sports Analytics **Research** (2016-Present)

In Depth Reading and Research on mathematical and statistical analysis techniques with application primarily in the areas of college football and MLB through the utilization of statistical software such as R and Excel

Content Creator and Editor at The Football Forecaster: [collindougherty.com/thefootballforecaster](http://collindougherty.com/thefootballforecaster)

#### Math/Statistics Independent **Research** (2014-2018)

In Depth Reading and Research with Statistical Programs in the Areas of Math, Statistics, Climatology, Financial Markets and Atmospheric Sciences

#### Stock Market/Cryptocurrency Algorithm **Development** and Implementation (2021-Present)

Research technical indicators for financial markets, which I use to design, code, and implement models used to make profitable decisions regarding price action and direction of equity and cryptocurrency markets.

Models are continually backtested against historical data to improve predictive abilities and manage risk.

#### Coding and Designing Websites (2021-Present)

Personally coded and designed several websites for myself. I have written about football, baseball, and financial markets using data analytics as the primary tool.

#### **Skills:**

Relationship Building

Leadership

Critical Thinking

Poise

Verbal/Written Communication

#### **Clifton Strengths:**

Achiever

Futuristic

Restorative

Belief

Includer

#### **Software Experience:**

R

SPSS

Matlab

LaTex

Microsoft Suite