

WILL BRAZGEL

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Professional Summary: Recent graduate of Macalester College with a Statistics degree and four years of varsity football experience. Future plans include combining my two greatest passions, sports and math, into my future job.

Core Skills: Problem Solving, Leadership, Communication, Responsibility, Perseverance, Attention to Detail, Passion

Technical Skills: Statistical Analysis and Modeling, Data Cleaning and Manipulation, Machine Learning, Sports Knowledge and Player Evaluation, Video Analysis and Scouting, R, SQL, Python, GitHub, PowerPoint, Excel, Zoom

EDUCATION

MACALESTER COLLEGE, SAINT PAUL, MN

GRADUATION DATE: 12/23

BACHELOR OF ARTS (STATISTICS)

3.94 GPA

- Summa Cum Laude, DeWitt Wallace Distinguished Scholar, Student Educator of the Year, Roberts Prize in Statistics

WORK EXPERIENCE

BASEBALL RESEARCH, MINNESOTA TWINS

05/23 – 08/23

FELLOW

- Contributed to the Player Development Research team through the completion of daily Minor League hitting reports, pitch-type analysis, Minor League affiliate scouting, and personal projects using SQL and R
- Capitalized on opportunities to observe and partake in the work of other subgroups in the department, such as Sports Science, Player Personnel, Advanced Scouting, and Amateur Scouting
- Explored the Amateur Draft through Draft Meeting observance and personal scouting opportunities

PRECEPTOR, MACALESTER COLLEGE

01/23 – 12/23

TUTOR/TEACHERS ASSISTANT

- Support and teach college students introductory statistics, both in class and in personal office hours

TECHNICAL EXPERIENCE

CORRELATED DATA, MACALESTER COLLEGE

08/23 – 12/23

FINAL PROJECT

- Longitudinal analysis of pass completion likelihood, supported by Mixed Effects and Random Intercept modeling
- Constructed a final model that accounts for the baseline talent and decision-making ability of each quarterback, in addition to situational and physical factors such as air yards, pass location, game clock, or score differential

ADVANCED DATA SCIENCE, MACALESTER COLLEGE

01/23 – 05/23

FINAL PROJECT

- Created a Shiny App to investigate which baseball statistics are predictive of team success and how the importance of certain statistics change based on position
- Additionally developed an interactive visual that builds a team of positional leaders given a user-selected statistic

SURVIVAL ANALYSIS, MACALESTER COLLEGE

08/22 – 04/23

FINAL PROJECT

- Implemented survival analysis techniques in R to predict the career length of Major League pitchers

STATISTICAL MACHINE LEARNING, MACALESTER COLLEGE

08/21 – 12/21

FINAL PROJECT

- Performed cost-benefit analysis of colleges based on tuition, admission rate, and post-graduation earnings
- Utilized least squares and logistic regression, LASSO, splines, decision trees, clustering, and PCA in R

ATHLETIC EXPERIENCE

COLLEGE FOOTBALL, MACALESTER COLLEGE

08/20 – 11/23

CORNERBACK/NICKEL

- Team Captain, Academic All-MIAC, Academic All-Region, Legacy Award Winner
- Four years of collegiate-level film study, tendency analysis, and gameplan design

FELLOWSHIP OF CHRISTIAN ATHLETES, MACALESTER COLLEGE

08/21 – 11/23

MINISTRY/DISCIPLESHIP GROUP LEADER

- Lead teammates and other peers across campus in weekly bible study and reflection
- Initiated the growth of this group from three members to twenty-four members

HIGH SCHOOL ATHLETE, LAKE COUNTRY LUTHERAN

10/16 – 03/20

FOOTBALL, BASEBALL, BASKETBALL

- Team Captain in each sport, 4-time All-Conference awardee, 9-time leadership award winner, State Champion