Daniel Mueller

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Education

University of Michigan - Ann Arbor, MI
Expected Graduation Year: 2024
Degree: B.S. in Data Science, Minor in Music
Course Highlights: Multivariable and Vector Calculus, Linear Algebra, Data Structures and Algorithms,
Probability and Statistics, Applied Linear Regression, Data Mining and Machine Learning, Database Management Systems,
Bayesian Data Analysis

Plymouth High School - Canton, MI
Graduated: 2020
GPA: 4.0/4.0
Awards: AP Scholar with Honor, AP Scholar with Distinction, Academic Letter, Student of the Month, Principal's Honor Roll,
President's Award for Educational Excellence, University of Michigan Regents Merit Scholarship

Experience

Michigan Sabermetrics - University of Michigan, Ann Arbor, MI, September 2021 - Present
- Acted in a leadership role of a student-run organization specializing in baseball sabermetrics, producing agendas for weekly meetings to discuss Major League Baseball's current events and perform statistical analysis.
- Spearheaded M-SABR's emphasis on research by preparing and teaching lessons in RStudio to equip members with valuable statistical coding skills.
- Oversaw and executed a multitude of different research projects to explore baseball strategy, including a lineup optimization tool and an investigation into Comerica Park's new field dimensions.
- Authored a variety of articles for M-SABR's website, profiling Major League players and teams from 2021 onward.

MUSIC Matters - University of Michigan, Ann Arbor, MI, September 2020 - Present
- Assembled and assessed data through google forms on preferred genres of music by students on campus in order to evaluate potential artists to perform at SpringFest.
- Designed and presented artist pitches and one-pagers with Photoshop and Illustrator as promotion tools to gauge interest in artists and provide valuable information to use during artist selection and booking processes.
- Facilitated marketing tactics to improve ticket sales for SpringFest's nighttime show, manning a promotional booth and distributing flyers around campus.

Data Analyst Intern - United Shore Professional Baseball League, Utica, MI, May 2022 - September 2022
- Operated FlightScope's pitch-tracking software during each game, tagging each pitch with game information and exporting it to a CSV file for easy review.
- Created scouting reports in RStudio for coaches and front office staff, supplying insightful data on players and teams to be analyzed by United Shore, as well as Major League Baseball organizations.
- Engineered an interactive website utilizing R Shiny to provide a user-friendly way to house individual player and team statistics for external access, complete with visuals including strike zone heat maps and batted ball spray charts.

Menards - Ann Arbor, MI, June 2021 - November 2021
- Employed as a morning stocker, moving freight with pallet jacks and placing items on shelves to ensure products were available and accessible to customers.
- Strengthened Menards' external appearance and reputation by facing shelves, greeting customers, and returning misplaced items to proper locations.
- Responded to needs of customers by recommending purchases for home projects.

Skills

R, R Shiny, SQL, C/C++/C#, Java, JavaScript, MongoDB, Adobe Photoshop, Adobe Illustrator, Piano, FL Studio, GarageBand,
Logic Pro X, Maschine, Photography, Microsoft Office, Google Apps, English (Native), Spanish (Intermediate).