

Benjamin Abraham

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Education

University of Michigan

Bachelor's of Science in Computer Science

Ann Arbor, MI

August 2020-May 2024

- GPA: 3.8
- Course Highlights: Data Structures and Algorithms, Foundations of Computer Science, Applied Statistical Methods II, Programming and Intro Data Structures, Discrete Mathematics, and Introduction to Statistics and Data Analysis.
- Awards/Honors: University Honors (Fall 2020, Winter 2021, Fall 2021, and Winter 2022)

Professional Experience

Lineage Logistics

Technology Intern - Data Technologies

Novi, MI

May 2022-August 2022

- Built a web application for data profiling to provide technology teams with a quick data analysis and visualization tool.
- Constructed a natural language processing algorithm from scratch for use on over 400 thousand rows of data.
- Worked closely with Data Engineers, Data Architects, Data Scientists, and Data Analysts to solve crucial business problems.

Carl's Golfland at St. Johns

Shoe Sales Specialist

Plymouth, MI

May 2021-August 2021

- Tracked quantities of items for customers in an inventory management system.
- Assisted customers with all possible needs including purchasing new shoes, warranty issues, and general shoe-care questions.

Busch's Fresh Food Market

Produce Associate

Novi, MI

May 2020-August 2020

- Aided customers in finding groceries to facilitate a brief and easy shopping experience.
- Ensured shipments of produce were properly put away to increase efficiency.

Student Organizations

Michigan Football Analytics Society (M-FANS)

Member

August 2021-Present

- Wrote and published articles relating to the intersection of Statistics and American Football that received over 1000 views.
- Improved technical skills in Python and R relating to machine learning, data analysis, and data visualization.

Technical Projects

Multiple Regression Machine Learning Model

Source Code Available on GitHub (bpabraham123)

May 2021-August 2021

- Engineered a machine learning model in Python to predict Fantasy Football Points for the 2021 NFL Season.
- Wrote and published an article summarizing the project and findings on mfootballanalytics.com.

Skills

Technical Skills

- Programming Languages: Python, C++, R, SQL, HTML, CSS
- Other Technical Skills: UNIX (Mac OS), Statistical Analysis, Data Visualization, and Machine Learning (Regression, Multi-Variate Bernoulli Naive Bayes Classification), Snowflake, and

Soft Skills

- Effective Orator and Writer, Goal-Oriented, Leader, Quick Learner, and Adaptable.

Currently Improving

- Machine Learning Algorithms (Gradient Boosting with xgBoost), Linear Algebra, Web Development
- Currently building an improved version of the fantasy football project that will use xgBoost and be hosted as a web application.