

Benjamin Ramsey

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Education

Michigan State University

August 2019-April 2023

Bachelor of Science, Data Science

Skills

- Technical Skills: Python, R, Java, Excel, C++, and SQL
- Strong analytical background, descriptive and inferential statistics, such as regression and clustering
- Classes include Fundamentals of Data Science Methods, Optimization Methods in Data Science, Data Structures and Algorithms, Data Visualization Principles and Techniques, Computational Modeling and Data Analysis, Statistics and Probability

Experience

Delta Dental Data Science Internship

November 2021-December 2022

Okemos, MI

- Created a multinomial Logistic Regression model that generated a prioritized list of dental providers to be submitted for internal review with 90% accuracy
- Collaborated with other interns to display the behavior and pattern of dental providers before and after being submitted to Focused Review
- Created an application using Streamlit, an opensource application, to automate the workflow for the customer service review team
- Experimented with mapping fraudulent providers with their colleagues to discover common trends between known associations
- Explored, visualized, and communicated insights from real business data

Undergraduate Learning Assistant

June 2021-Current

Michigan State University, Computer Science and Engineering | East Lansing, MI

- Instructed classes of 30 students by introducing them to the fundamentals of computer science using Python
- Built supplemental lesson plans to further develop the students' knowledge and understanding of course content
- Assisted professors with identifying difficult concepts for students and how to further enrich the course content
- Learned how to explain technical and complicated concepts to a non-technical audience

Statistics in the Community

January 2021-April 2021

Michigan State University | East Lansing, MI

- Cleaned datasets by removing unnecessary and repeated variables, improving group productivity and organization
- Created computer automated workflows to manipulate, visualize and analyze data to obtain clear trends for local non-profit organizations to assist in critical business decisions

Private Computer Science Tutor

August 2020-Current

Michigan State University | East Lansing, MI

- Instructed students how to code in Python and basic coding principles, leading to a better understanding of course material
- Created templates to establish clear and efficient project plans
- Reviewed finished code and corrected logic and syntax errors, resulting in improved grades and overall performance

Student Organizations/Conferences

- **James Madison First Year Mentor Program,** August 2019-December 2019
- **Alpha Sigma Phi Family Chair,** Family Outreach Coordinator. January 2021-December 2021