

Julia Dreiling

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Objective: Fourth Year Data Analytics student seeking Data Science Related Masters Programs

Education

Bexley High School | May 2020 | Summa Cum Laude

The Ohio State University (OSU) | May 2024 | Bachelors of Science

Major: Data Analytics with a specialization in Data Visualization

- Enrolled in the Honors Program in the College of Arts and Science
- Recipient of the OSU Maximus Scholarship

Coursework:

Computer Science: Java software composition and development, C, x86-64 assembly language, C++, Python, SQL, UX UI Design, Data Management in the Cloud, Data Mining

Statistics: Probability and Statistical Inference for Data Analysis, Statistical Modeling for Discovery 1-3, Statistical Learning

Math: Honors Mathematical Analysis, Linear Algebra, Differential Equations, Calculus 1-3, Scientific Computing

Integrated Systems Engineering: Systems Modeling and Optimization for Analytics and Visual Analytics and Sensemaking

Work Experience

Software Intern | Dell Technologies | June - August 2022

Used Python to automate classifying 1.5 million service requests to give Dell new insights into the customer experience and to inform quality engineers on areas of product improvement.

Research

Undergraduate Researcher | Lawrence Berkeley National Laboratory (LBNL) | October 2022 - Current

- Currently working on the calibration and filter optimization system for Gamma Ray Energy Tracking Array (GRETA)'s detector crystal cores and segments.
- Participated in the Science Undergraduate Laboratory internship with LBNL over the summer of 2023.
- Researched the parameter space for detector calibration along with a variety of optimization methods for filter shaping parameters.

Research Intern | Michael E. DeBakey VA Medical Center | June - August 2021

Used Python to clean streptococcus data for feature selection and tokenization. Ran the data set through various machine learning algorithms to automate the classification of clinical records for the VA hospital system.

Skills

- Proficient in C, C++, SQL, Java, Python, R, MATLAB, Tableau, Adobe XD, Adobe Illustrator, Microsoft Office, G Suite, and OBS
- Fluent in English and Proficient in Mandarin Chinese

Extra-curricular

Ohio State Women's Ultimate Frisbee Team - Vice President (2023-2024)