Julia Reel

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Results-oriented Information Analysis graduate seeking opportunities in data analysis and project management to utilize strong analytical skills, programming expertise, and a passion for deriving insights from data.

EDUCATION

University of Michigan, School of Information, Ann Arbor, MI   May 2023
- Bachelor of Science: Concentration on Information Analysis   Major GPA: 3.87/4.00
- Relevant Courses: Introduction to Statistics and Data Analysis | Data-Oriented Programming | Data Manipulation | Data Exploration | Front-End Web Design and Development | Building Data-Driven Applications

SKILLS

- Programming Languages: Python (pandas, NumPy, SciPy, matplotlib, seaborn, scikit-learn), C++, SQL, R
- Data Analysis: Statistical Analysis, Data Manipulation, Data Visualization, Microsoft Office & Excel
- Project Management: Team Collaboration, Project Planning, Agile Methodology

EXPERIENCE

Media Assistant / Data Analyst   Ann Arbor, MI
UM Language Resource Center   January 2022—Present
- Support patrons with LRC digital services, maintain a catalog containing 13,000 resources, and assist instructors with reservations, streaming, and material management.
- Analyze and aggregate data on in-center resource utilization, film reservations, language course integration, and faculty support to evaluate program success and inform resource allocation.

Data Analysis Capstone Project   Ann Arbor, MI
Genetic Alliance   September 2022—April 2023
- Engaged with teammates and externally with Genetic Alliance executives to convert a large disease database into a usable, insightful representation to reduce cost, time, 95% failure rate of disease research
- Designed and implemented an algorithm in Python and SQL that distills and categorizes 100 fields and 10,000 rows of data into a weighted scoring system that pairs research groups with aligned diseases

Instructional Aide   Ann Arbor, MI
UM School of Information   August 2022—April 2023
Courses: Introduction to Information Studies (SI 110) and Programs, Information, and People (SI 106)
- Reviewed, graded, and provided mentoring on projects and exams to an average of 40 students per week
- Led office hours and delivered assistance students with Python programming methods and strategies

Pharmacy Data Analytics Intern   Remote
Elevance Health (Formerly Anthem Inc.)   June 2022—August 2022
- Generated automated SQL reports, querying 70,000 datapoints monthly, to deliver key insights and drive data-informed decisions for clients and identify business trends on a market-by-market basis
- Streamlined communication between client teams, software engineers, and business analysts to brainstorm strategic business solutions and ensure high product quality and functioning technology systems

Junior Data Project   Ann Arbor, MI
Analysis of Chicago Crime Data   March 2022—April 2022
- Extracted data from online databases and utilized data integration, statistical quantitative analysis, and data exploration libraries in Python to identify trends in 7,520,000 rows of Chicago crime data over the last 20 years
- Analyzed data and designed visualizations to reveal key insights and patterns of crime over the 20-year period

LEADERSHIP

Team Captain   Ann Arbor, MI
Dance Marathon at the University of Michigan   September 2019—May 2021
- Directed fundraising efforts among the TriDelta team for Dance Marathon, contributing to over $200,000 raised in two years for child rehabilitation programs at C.S. Mott Children's Hospital

Philanthropy Committee   Ann Arbor, MI
Delta Delta Delta   March 2020—April 2021
- Managed 200+ members in fundraising efforts for St. Jude, increasing motivation and morale among members
- Raised over $70,000 in 2020 by consulting with committee in planning and overseeing philanthropic events