Ezekiel C. Decatur

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SUMMARY

Motivated data science student with experience in creating data-intensive applications and machine learning models. Proficient in predictive modeling, data processing, data mining algorithms, and programming languages including Python and Java. Proven ability to communicate effectively, solve complex problems, and lead teams and initiatives.

EDUCATION

University of Rhode Island, Kingston, RI   May 2023
Bachelor of Science in Data Science, Mathematics Minor
Talent Development Scholar
Relevant Coursework: Database Management Systems, Artificial Intelligence, Machine Learning, Predictive Analytics, Data Visualization and Infographics Design, Multivariate Statistical Learning, Social Issues in Computing

TECHNICAL SKILLS

Operating Systems: Windows, MacOS, Linux
Databases/Servers: MySQL, SQL Server, Postgres
Programming Languages: Python, C++, C#, OpenCV, HTML, CSS, SQL, Java, JavaScript, R Programming
Additional Software/Tools: Tableau, Deep Learning, Machine Learning, IP Cameras, AWS Services, Microsoft Azure, Microsoft Excel, Microsoft Word, Zoom, Google Workspace

PROFESSIONAL EXPERIENCE

Ocean State Corporation, Providence, RI   May 2022 - September 2022
Data Science Intern
- Conducted data regression analyses of relationship between company prices and industry trends, achieving a 26% more accurate prediction of performance than previous years
- Improved mining process, resulting in a 15% decrease in time needed to infer insights from customer data used to develop marketing strategies
- Performed data manipulation, analysis, modeling, and visualization on massive transaction data with Impala, Python, and R Collaborated with Business

PROJECTS

Rhody Pantry Food Access Database   January - March 2022
- Led a team of three to develop a relational database using MySQL Workbench to capture metrics related to food availability in the region using publicly available census data
- Designed front end user interface with HTML and PHP to view the outputs of various relevant queries

Wine Quality Predictor   September - December 2021
- Built multiple machine learning models using Python, Jupyter Notebook, Sklearn, Pandas, and Seaborn to predict the quality of a wine based on molecular measurements
- Amplified machine learning accuracies from as low as 54% to as high as 83% by using grouping techniques
- Effectively implemented machine learning algorithms such as Decision Tree, K Nearest and Neural Networks

LEADERSHIP AND INVOLVEMENT

RI D.I.V.E. (Diversifying Individuals Via Education) Conference, Kingston, RI   January - May 2022
Logistics Committee Chair
- Coordinated venue contracts, meal orders, and session schedules for conference attended by 400 people that promoted intercultural competence and inclusion on college campuses through workshops and discussions
- Developed leadership, communication, problem solving, teamwork, and adaptability skills

University of Rhode Island, Supplemental Instruction Leader (Mathematics), Kingston, RI   April 2021 - May 2022
- Independently hosted two 90-minute study sessions per week of groups of 10-30 students
- Created lesson plans, organized study groups, facilitated group activities, and supported course instructor

OTHER WORK EXPERIENCE

Dick's Sporting Goods, Warwick, RI   October 2018 - April 2021
Customer Service Representative
- Developed communication and critical thinking skills by answering customer questions about products/sales
- Recognized for exceptional service five times (received quarterly "Customer Service Appreciation Award")