JANE DOE

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EDUCATION

Wartburg College   Waverly, IA
Bachelor of Arts - Mathematics   Anticipated May 2025
Minors: Computer Science, Data Analytics, Economics
Cumulative GPA: 3.96/4.0
Relevant Coursework: Data Mining, Data Wrangling and Visualization, Mathematical Modeling, Statistical Applications,
                    Information Resource Management, Probability & Statistics, Foundations of Analysis

WORK EXPERIENCE

PEER LEARNING LAB   Waverly, IA
Math Tutor   Sep 2021 – Present
- Contributed to the academic success of peers by helping them achieve improved grades and confidence in mathematics
- Demonstrated expertise in various college-level math courses, effectively explaining subject matter
- Collaborated with fellow tutors to create a comprehensive website featuring valuable educational resources to support students in their coursework

VALIANCE PARTNERS INC.   Bernardsville, NJ
Programming Intern   Jul 2022 – Aug 2022
- Optimized data transfer processes by 99.4% in database applications like MS Access, eliminating the need for an interim database, and implemented a high-speed persistent storage method in Python
- Developed practical expertise in APIs and REST APIs, building web servers and creating a location-based weather conditions retrieval program
- Collaborated on a prototype PostgreSQL database integrated REST API server for efficient remote execution of data migration tools, enhancing the TRUconsole application's capabilities and communication efficiency through the use of agents
- Designed a Central Manager to streamline message distribution among servers, significantly reducing execution time

ACADEMIC PROJECTS

Data Wrangling & Visualization
- Analyzed Washington D.C. bicycle rental patterns by using Capital BikeShare data in R Studio, and creating a choropleth map
- Conducted data manipulation tasks, including joining data frames, data cleaning with regular expressions, and generating plots using ggplot and dplyr in R Studio, for in-depth analysis of nuclear reactor information
- Utilized Jupyter notebook (pandas, Matplotlib, NumPy) to create data frames and plots for comprehensive analysis of gene expression in cancer cell lines

ACTIVITIES

Duh-Versity Knights Dance Club   Waverly, IA
President   Sep 2022 – Present
- Established a dance club promoting self-expression through diverse dance forms
- Fostered cross-cultural community through dance, enabling lasting connections and creative expression

Math Honors Society   Waverly, IA
Committee Member   Feb 2023 – Present
- Accepted as a member of Kappa Mu Epsilon, showcasing academic excellence and commitment to mathematics

ADDITIONAL

Technical Skills: SQL, Python, R, Excel, Tableau
Languages: Fluent in English, Telugu, Hindi; Conversational Proficiency in Portuguese
Certifications & Training: University of Michigan Programming in Python (Coursera)
Awards: UWC Davis Scholarship of $20,000 each year; Dean's List 2021-2023