DAVID M. RUDOW

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TECHNICAL SKILLS

Languages: Python, SQL, VBA, C++, Javascript, HTML, R
Tools: Excel, Tableau, Jupyter Notebook, Numpy, Pandas, Node.js, Flask, Hadoop
Databases: PostgreSQL, MongoDB Cloud Atlas, AWS, IBM Db2
Additional Skills: Interpersonal Communication, Technical Writing, Public Speaking

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PROJECTS

Renewable Energy Predictor | https://austin-green-energy-predictor.herokuapp.com/
- Implemented a predictive regression neural network model for daily peak production of wind and solar farms with an accuracy of 90%.
- Facilitated meetings with stakeholders and collaborated with team members to ensure timely decision-making and effective communication.
- Built and managed the NoSQL database and coordinated training and access.

PROFESSIONAL EXPERIENCE

Teaching Assistant - Data Analytics and Visualization   Feb 2021 – Present
Trilogy Education   Remote
- Communicate with team members to ensure student comprehension during class.
- Facilitate weekly office hours to provide feedback and guidance to 60+ students.
- Perform regular data entry tasks on student attendance and performance.

Application Engineer   Nov 2018 – Nov 2019
ATX-LED   Austin, TX
- Designed and installed low-voltage LED systems for commercial and residential applications.
- Collaborated with lead design engineer to identify product faults and design test solutions.
- Reduced installation time by 25% through SOP and technical documentation.

EDUCATION

Data Analysis and Visualization Boot Camp Certificate: UT Austin
A 24-week intensive program focused on gaining technical programming skills in BI Tools, ETL Data Pipelines, Big Data, Database Management, Data Visualization, and Machine Learning.

IBM Data Science Professional Certificate: IBM Coursera Program
A 9 course program concentrated on training students with the latest job-ready tools and skills, using open source tools and libraries and agile development methodologies.

M.S. Engineering Physics (3.45 GPA): Appalachian State University

B.S. Applied Physics (3.59 GPA): Appalachian State University, cum laude