

DAVID M. RUDOW

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www.linkedin.com/in/davidmrudow/ | duvey314.github.io/portfolio/

TECHNICAL SKILLS

Languages: Python, C++, SQL, VBA

Tools: Jupyter Notebook, Pandas, Matplotlib, Github, Tableau

Databases: PostgreSQL, MongoDB Cloud Atlas, IBM Db2

Additional Skills: Interpersonal Communication, Technical Writing, Public Speaking

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.
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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.
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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