ROBERT COCKER

Keywords: Python, MATLAB, COBOL, SAS, SQL, R, CICS, FSTP, HTML, CSS, JavaScript, Slurm, Linux, Ubuntu, Git, Git Bash, GitHub, AutoCAD, IBM z/os, IBM DB2, SQLite, VS Code, Ubuntu, SPSS, Pandas, NumPy, Seaborn, Matplotlib, Scikit-learn, Jupyter Notebooks, Plotly, Dash, Folium.

Summary

Seasoned professional transitioning to AI/ML/DL with a strong background in business and data science. Committed to ethical, practical applications through technical expertise. Experience spans construction, automotive and diesel technology, and higher education. Demonstrated adaptability and determination in career progression. Seeking data engineering or a similar role to leverage diverse skill set and STEM aptitude.

Skills & abilities

- Proficiency in Microsoft 365, Google Workspace, and Agile methodologies
- Skilled in cross-functional communication and collaboration
- Advanced problem-solving and interpersonal abilities
- Cheerful outlook, adaptability, and solution-driven approach
- Effective brand building and teamwork capabilities

Experience

THE UNIVERSITY OF TEXAS AT ARLINGTON

Undergraduate Researcher | January 2024 – May 2024
- OUR UROP UG research program
- I/O psychology research
- Lab work. Professional development. Mentorship

Student Assistant | January 2023 – September 2023

- UTA Libraries.
- Library work
- Data curation

INTERNATIONAL BUSINESS MACHINES (IBM)

Mainframe Systems Administrator Intern | January 2022 – December 2022

- Mainframe systems and systems programming providing IT solutions for multiple sectors in industry.
- Database administration in mainframe and cloud solutions.
- Data governance to support the banking industry.

V & M GENERAL CONSTRUCTION

General Contractor | January 1998 – December 2018

- Residential and commercial construction projects.
- Oversaw construction schedules and project scope.
- Blueprint CAD drafting for architecture, design, and planning.

ENTERPRISE HOLDINGS INC.

Automotive Fleet Technician | August 2009 – June 2017

- Repaired complex automotive systems with technical expertise.
- Conducted preventive maintenance and ensured vehicle reliability.
- Followed company procedures for vehicle servicing and repair.

Education

THE UNIVERSITY OF TEXAS AT ARLINGTON

Arlington, TX | BS in Data Science – Concentration in Psychology

3.2 GPA. Currently in junior year with plans for graduate school and pursuit of a master's and doctorate

Student Organizations:
Society of Asian Scientists & Engineers (SASE)
- Member
- Prepare scientists and engineers for success in the global business world.
- Celebrate diversity on campus and in the workplace.
- Provide opportunities for members to make contributions to their local communities.
- Established 2007

Students in Computing and Artificial Intelligence (SCAI)
- Member of the first AI club on campus
- Worked on web development for organization's landing page.
- Established 2023

LINCOLN TECHNICAL INSTITUTE

Grand Prairie, TX | AS in Automotive & Diesel Technology

4.0 GPA

Y COMBINATOR

Remote | Startup School for Entrepreneurs

COMMUNITY COLLEGE

Dallas-Fort Worth, TX | Dallas College and Tarrant County College for general studies.

Projects

GitHub: https://www.github.com/rcghpge

Machine Learning for Cancer: ML for Cancer
ML model for predicting metastatic cancer. It uses patient records, including clinical features, and other vital information, to identify patterns associated with cancer spread. By analyzing historical data, the model provides probabilistic predictions to help oncologists make better treatment decisions and improve patient outcomes. This was for a Kaggle challenge.

Space X Capstone: Space X Capstone
I developed a predictive model for SpaceX landing success using historical data. By analyzing variables like launch site, payload mass, orbit type, and booster version, I achieved high accuracy in predicting outcomes. This project, part of IBM's Data Science Professional Certificate on Coursera, enhances mission reliability and cost-effectiveness.

Data Engineering Project: Python Project for DE
Fundamentals of DE project. Packaging Python software for deployment and ETL methodologies.