Tyler Brock

Data Scientist and Full-Stack Software Developer

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Education

Nanodegree in Data Science
Udacity | February 2022 - March 2022

- Completed an intensive program focused on practical applications of data analysis, machine learning, and statistical modeling
- Engaged in hands-on projects to solve real-world problems using Python and SQL

Associate Degree in Computer Programming
John C. Calhoun Community College | August 2019 - May 2021

- Dean's List: 2019, 2020

Additional Certificates:

- Programming Essentials, CIS (With Distinction), May 2021
- Computer Technician, CIS, August 2021

Key Skills

- Responsive Web Design (Angular, familiarity with React)
- API Development (FastAPI, NodeJS)
- Cloud Computing (Azure, AWS Transferable)
- Data Analysis and Engineering
- Computer Programming (Python, JavaScript, TypeScript)
- Database Design (PostgreSQL, MySQL)

Software Developer and Data Scientist with a background in computer programming and an evolving passion for full-stack web development. Holds an Associate degree in Computer Programming and brings two years of hands-on experience as a Data Scientist at IBM, developing skills in data exploration, engineering, and visualization. Places a strong emphasis on using data to improve application usability and user engagement, continuously seeking to grow and apply cutting-edge development methodologies.

Professional Experience

Co-Founder and Technical Lead
ProseWrite, United States | November 2023 - Present

- Spearheaded the launch of ProseWrite, an innovative software transforming audio into edited text, serving a broad range of applications from professional documentation to creative writing
- Engineered the software's architecture using Angular, FastAPI, and Azure; ensuring a responsive user experience and scalability for future growth
- Successfully led the team through the startup phase, culminating in securing $5,000 in startup funding from Microsoft's Founders Hub due to the project's innovation and market potential

Data Scientist Apprentice
IBM, Buffalo, New York, United States | November 2021 - October 2023

- Completed a rigorous 6-month apprenticeship with industry leaders, earning multiple certifications and moving into roles involving client consulting and leading technical aspects of projects
- Collaborated on projects for notable clients like Pfizer and American Express, focusing on everything from initial exploratory analyses to the development of complex data pipelines
- Executed comprehensive data cleaning, pre-processing, and feature engineering tasks, laying the groundwork for advanced modeling
- Played a key role in presenting findings to Regeneron Pharmaceuticals, a pivotal contribution that helped secure a multi-year contract with IBM
- Accumulated and processed data during a segment of a high-profile project with Pfizer which was planned to last 6 months. Cut the project deadline in half to 3 months, completing all assigned tasks

Interests

Computer Building, Mechanical Keyboard assembly, Soldering, Hiking, Biking, Video and Board Gaming, Videography