Merritt Davis Spencer

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Profile

An aspiring data scientist and computer technology enthusiast with a passion for unraveling insights from complex datasets. Proficient in mathematical techniques for data analysis and committed to advancing skills in programming languages through collaborative group projects focused on data science and analytics.

Education

University of Texas at San Antonio   **Expected Graduation Date: August 2025**
Bachelor in Mathematics of Data and Computing

Professional Experience

Capgemini, Austin, TX
IT Helpdesk Associate for 1 year
- Worked with a variety of tools and computer programs to solve complex technical problems ranging from networking to hardware.
- Generated daily reports based on user call data for management use in determining areas of weakness in the team using Tableau.
- Reviewed the abilities of fellow team members to make sure that quality standards were being met.

ADTRAN, Huntsville, AL
Junior Developer for 2 years
- Worked in an AGILE environment on complex projects such as memory testing, app development, and machine learning.
- Gathered information from consumers about program functionality.
- Learned the codebase, wrote and maintained code, authored reports, and conducted development tests.
- Monitored the technical performance of internal systems, while responding to requests from the development team.
- Assisted the Software Development Manager with all aspects of software design and coding.

Skills

Python	SQL	R	Tableau	Microsoft PowerBI	Data Analysis and Visualization
Pandas	NumPy	AWS	Matplotlib	MongoDB	Database Management
GIT	AWS	Java	Advanced Mathematics	Linux	TensorFlow
C/C++	Docker	LaTeX	AI and Machine Learning	Leadership	Collaboration and Teamwork

Projects

Library Database System
- A database system designed for use in public libraries that was expandable for new libraries, books, members, and employees. It kept track of what books a library had, which books were on hold, which books were checked out and when they were due, and which members owed late fees among other information.
- The technologies used included SQL and MySQL Server.

Equipment Installation Quality Assurance App
- An app for Android and iOS which used machine learning to ensure that the equipment installation was done properly, and common mistakes were not made by field workers.
- The technologies used included Flutter/Dart, Python, AWS, and TensorFlow

Pac Man Java Application
- An application for Android to play a custom version of Pac Man using a Model View Controller development with features such as a method of designing custom levels easily, multithreading and custom Ghost Pathfinding AI.
- I was elected Team Lead for this project and in charge of delegation of tasks and providing help to other members.
- The technologies used included Java, GitHub, and Android Studio