Gregory Paul Albarian

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Summary

I am continuously learning on my own and over my 3+ year career where, I produce results by creating analytical conclusions, developing machine learning algorithms, and cleaning data.

Professional Experience

Junior Python Developer | SDLC Technologies | **Remote | April 2024 to Present**
- Have tested and modified over 100 coding explanations and programs written in Python, SQL, Java, and C++ generated by a Fortune Tech 10 company's LLM
- Review the LLM's explanations for code being outputted
- Data curated by my team resulted in a 15% increase in the LLM's accuracy

Support Engineer | Qualcomm Inc. | **San Diego, CA | May 2022 to December 2023**
- Built an internal labelling tool in Python to increase productivity for eye gaze data entry by 60%
- Wrote Python code to automate the settings of cameras and lights to render 3D objects saving 40% of the time to process training in the data pipeline
- Automated the download of over 20,000 images by integrating a RESTful API into Python increasing the training data to improve the performance of machine learning models
- Improved communications and relationships with third-party data vendors by organizing over 50 meetings, which increased accuracy of labels that I downloaded using Azure Data Factory

Research Assistant | Chapman University | **Orange, CA | September 2021 to December 2021**
- Automated a manual workflow to analyze patients' stress, depression, and anxiety.
- Wrote over 1300 lines of Python and R code to Extract, Transform, Load (ETL) with NumPy and Pandas and apply time series clustering to find 2 major trends in the data on the effects of therapy.

Certifications

Generative AI with Large Language Models | **DeepLearning.AI and AWS** | Issued in September 2024
Deep Learning Specialization | **DeepLearning.AI** | Issued in December 2023

Education

Master of Science (M.S.) in Computational and Data Sciences emphasis in applied mathematics and analysis | (3.419/4.0) | February 2021 - December 2021 | *Chapman University* (Orange, CA)
Bachelor of Science (B.S.) in Computer Science | **Mathematics Minor** | (3.282/4.0) |
August 2017 - December 2020 | *Chapman University* (Orange, CA)

Projects

Analyzing Medical Practitioner Stress
- Used decision trees, SVMs, and neural networks to find what makes medical workers stressed

Dow Jones Dividend Analysis
- Worked to discover a correlation if stocks with higher dividends were traded more by investors
- Coded a script in R finding no correlation between dividends and volumes for the Dow Jones

Markov Music
- A Python scripted Markov Chain model to learn patterns in song lyrics to generate songs.

Skills

Programming languages Python, Java, SQL, Scala, R, C, C++, MATLAB, C#, .NET, HTML, CSS
Development tools and Big Data management MongoDB, PostgreSQL, MySQL, SQLite, SparkSQL, Apache Spark, Apache Airflow, Git, GitHub, Docker, Unix, Linux, Jenkins, Amazon Web Servies (AWS)
Libraries TensorFlow, Keras, PyTorch, Scikit-Learn, NLTK, pyspark, Gensim, spaCy, TextBlob, OpenCV, Pandas, NumPy, matplotlib, ggplot2, Sklearn, SciPy, JSON, CSV