

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 models, and cleaning data.

Professional Experience

Junior Python Developer | SDLC Technologies | Remote | April 2024 - December 2024

- Optimized over 100 REST API calls to clean and gather data for structuring LLM responses
- Analyzed over 100 coding explanations and programs written in Python, SQL, Java, and C++ generated by for a Fortune Tech 10 company's LLM
- Enhanced the LLM's accuracy by a 15% increase from data curated throughout my team

Support Engineer | Qualcomm Inc. | San Diego, CA | May 2022 - December 2023

- Streamlined eye gaze data entry by an internal labelling tool to increase productivity by 60%
- Developed 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 code, increasing the training data to improve the performance of machine learning models
- Facilitated communications with third-party data vendors by organizing over 50 meetings increasing data quality for labels on Azure Data Factory transferred into an on-premises server

Research Assistant | Chapman University | Orange, CA | September 2021 - December 2021

- Designed an Extract, Transform, Load (ETL) pipeline with NumPy and Pandas in Python
- Automated a manual workflow using R using time series clustering to analyze patients' stress, depression, and anxiety find 2 major trends in the data on the effects of therapy.

Certifications

Generative AI with Large Language Models | DeepLearning.AI and AWS | Issued September 2024

Deep Learning Specialization | DeepLearning.AI | Issued 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

- Developed 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#, HTML, CSS, BASH

Development tools and Big Data management MongoDB, PostgreSQL, MySQL, SQLite, SparkSQL, Apache Spark, Apache Airflow, Git, GitHub, Docker, Unix, Linux, Jenkins, Amazon Web Services (AWS)

Libraries TensorFlow, Keras, PyTorch, Scikit-Learn, NLTK, pyspark, OpenCV, Pandas, NumPy, matplotlib, ggplot2, JSON, CSV