

Gregory P. Albarian

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Summary

I am continuously learning independently and within my over 2 year career to produce results in 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, C++, and other programming languages generated by a Fortune Tech 10 company's LLM

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 were 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.

Junior Data Scientist | theDevMasters | Irvine, CA | May 2021 to July 2021

- During a growth in the Cambodian housing market, I helped design a machine learning pipeline to predict housing prices for the Z1 application to help search for affordable housing

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) | Chapman University (Orange, CA) | graduated in December 2021

Bachelor of Science (B.S.) in Computer Science | Mathematics Minor | (3.282/4.0)

Chapman University (Orange, CA) | graduated in December 2020

Projects

Analyzing Medical Practitioner Stress | October 2021 to December 2021

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

Dow Jones Dividend Analysis | October 2020 to December 2020

- Worked to discover a correlation if stocks with higher dividends were traded more by investors
- Used R script finding there were no correlation between dividends and volumes for the DJIA

Markov Music | January 2019

- 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 Services (AWS)

Libraries TensorFlow, Keras, PyTorch, Scikit-Learn, NLTK, pyspark, Gensim, spaCy, TextBlob, OpenCV, Pandas, NumPy, matplotlib, ggplot2, Sklearn, SciPy, JSON, CSV