

Gregory P. Albarian

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<https://tinyurl.com/GregoryAlbarianLinkedIn> | <https://github.com/GregoryAlbarian>

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
- Facilitated communications and improved relationships with third-party data vendors by organizing over 50 meetings which increased accuracy of labels that were downloaded into Azure

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

Education

Deep Learning Specialization | DeepLearning.AI | issued in December 2023 | does not expire

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

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

Soft skills teamwork, collaboration, problem solving, critical thinking, time management, communication