

Gregory P. Albarian

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GitHub: <https://github.com/GregoryAlbarian>

Personal Website: <https://gregoryalbarian.github.io/PersonalWebsite/>

Education

Chapman University: Orange, CA

- **Accelerated M.S. in Computational and Data Sciences; Emphasis in Applied Mathematics and Analytics** Fall 2021
- **Bachelor of Science in Computer Science Major; Minor in Mathematics** Fall 2020

Technical Skills

Object Oriented Programming

Data Structures and Algorithms

Machine Learning Libraries in Python (Sklern, Numpy, Pandas, Matplotlib, Tensorflow, Keras)

Natural Language Processing (NLP) with Python libraries (NLTK, Gensim, TextBlob)

Digital Image Processing (thresholding, edge detection, contours, CNNs)

Multithreading and Scheduling

UNIX/LINUX Command Line Terminal (Bash/Shell Scripting)

Git and GitHub

Languages:

- Java
- C/C++
- C# (.NET framework)
- Python
- HTML5/CSS
- R
- MATLAB
- SQL

Projects

DowJonesDividendAnalysis October 2020 – Present

- An R script that tries to use graphs to find a relationship between stock dividends and average volumes in the Dow Jones Industrial Average for 2018.
- The data of stock volumes was pulled from Kaggle. The data for the dividends was web scraped using the rvest library. The visualization are done with the ggplot2 library.

MarkovMusic January 2019

- A Python 3 script that implements a one back Markov Chain model to learn patterns in song lyrics. It uses these patterns to generate new songs.

FoodApp March 2019 - December 2019

- A Python 3 script showing users the best price to review ratio of nearby restaurants. The Google Maps API provided the data of the nearby restaurants.

Employment History

theDevMasters: Irvine, CA May 2021 – Present

Junior Data Scientist

- Worked on machine learning algorithms to predict housing prices in Cambodia to be used into an application called Z1 to help people find home within a specific price range.

Chapman University: Orange, CA September 2020 – December 2020

Student Faculty Aide/Grader

- Grades students' work and quizzes for Single and Multivariable Calculus

Chapman University: Orange, CA December 2018 – May 2019

Tutoring, Learning, and Testing (TLT) center

- Student Tutor for Mathematics and Computer Science

Ludwig Klein Court Reporting: Pasadena, CA June 2017 – July 2017

- Instrumental in the selection of their computer system
- Assessed their computer needs to run their appropriate software
- Worked directly with the owner to discuss the system's goals and budget