

# 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 – July 2021

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

## Certifications

**AWS Certified Machine Learning – Specialty**

**Validation Number:** KXRM608DB2Q110CJ