

Robert Sarno

e rsarno123@gmail.com

Cell (661) 993-5567



<https://www.linkedin.com/in/robert-sarno/>



<https://github.com/RoboSarno>



<https://robosarno.github.io/portfolio-robert-s/>

SKILLS

- **Languages:** Python, SQL, R, C/C++, JavaScript, React, Node.js, Scala, Swift
- **Platforms/Libraries:** Git/GitHub, Pandas, Numpy, BeautifulSoup, Plotly, Matplotlib, Seaborn, Sklearn, AWS EC2, Postgres, Spark, Keras, Flask, Docker, Dask, Streamlit, Tableau

PROJECTS

Reddit Classification Logistic Regression Model

April 2022

Technology/Libraries: Python | Request | Numpy | Pandas | Sklearn

- Ran exploratory data analysis on post information from "r/ExplainLikeImFive" and "r/NoStupidQuestions" subreddits.
- Created a machine learning classification model to predict whether a post is from subreddit "r/ExplainLikeImFive" or subreddit "r/NoStupidQuestions".

Ames Assessors Relators Office Regression Model

April 2022

Technology/Libraries: Python | Pandas | Numpy | Seaborn | Plotly | Sklearn

- Ran exploratory data analysis to explore findings regarding houses purchases by Ames Assessors Relators Office.
- Created a machine learning linear regression model to assist Ames Assessors Office on setting a reasonable initial bid for their next purchase.

Wildlife Image Classifier Model

April 2022

Technology/Libraries: Python | Pandas | Numpy | Sklearn | Keras

- Ran exploratory data analysis to understand specific patterns in images of animals in the data set to see what specific data augmentations are necessary to increase models' performance.
- Ran model testing and built several models.
- Created the best model with highest performance on training and validation sets.

Crypto Strategy Bot / Back Tester

March 2022

Technology/Libraries: Python | Binance | Numpy | Pandas | Postgres | SQLAlchemy | RaspberryOS | Streamlit

- Implemented a Raspberry-Pi 4 to mine Crypto Price data using Binance and saving this historical price data into a AWS RDS database.
- Researched charting techniques and candlestick trend analysis patterns to create a trading bot that can identify these buys and sell Trends when necessary.
- Created Streamlit web application for analysis on strategy performance and back testing.
- Included three Timeseries prediction models to give better understanding on market direction and close price.

EXPERIENCE

Full Stack Developer Intern | @ Full Contact | JavaScript | Node.js | AWS | SQL

Aug 2020– May 2021

- Implemented a UI that gives Full Contact Developers the ability to map fragmented identities into Persons ID using their identity graph in a securely embedded identity safe layer.
- Database cleaning and pitched optimizations on possible database improvements.

Full Stack Developer | @ Monosic | Python | JavaScript | PostgreSQL

Jan 2019 – May 2019

- Created backend database that contained user account registration information from API music services such as Spotify, Apple Music, and YouTube Music.
- Collaborated with web platform UI for creating aggregated music playlists across all streaming services.

EDUCATION

University of Colorado Boulder

Aug 2017 - May 2021

Major GPA: BA Computer Science (GPA: 3.40)

Boulder, CO

- **Relevant Coursework:** Software Development Methods and Tools, Algorithms, Computer Systems, Data Structures, Data Systems, Discrete Mathematics, Linear Algebra, Fundamentals of HCI, Data Science and Biostats

Data Science Immersive General Assembly

March 2022 - June 2022

Certification: Data Science Immersion

Los Angeles, CA

- **Relevant Coursework:** EDA Analysis, Machine Learning Supervised/Unsupervised, Pipelines, Ensembles/Bagging, Boosting, Deep Learning, Web scraping, Data Visualization, Database Management, Data Engineering, NLP, Neural Networks, Tableau, Streamlit