BRANDON SHIN

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WORK EXPERIENCE

Data Analyst – Broker Approval   02/2021 – 8/2022
Mega Capital Funding Inc. | Calabasas, CA
- Routinely evaluate & audit the 2000+ companies using our TPO software to make sure all companies are following compliance standards placed by investors.
- Present client data clearly and effectively to various departments using Excel, Tableau, SQL, among other data visualization and organization tools.
- Increased efficiency and uniformity within the department by creating a training manual for my team to abide by.
- Created a Python script in order to automate a cleaning data process on the 10,000+ users of our software to ensure all information was updated and compliant.
- Worked with the IT department to implement a document recognition program and tuned it to over 90% accuracy.

Supervisor   04/2019 – 03/2020
UCEN Dining | Santa Barbara, CA
- Coordinated interviews for potential employees and created quarterly schedules for all 15+ employees.
- Worked cross-functionally with the accounting department and others to ensure smooth operations with inventory, revenue, and incoming shipments.

PROJECTS

Branazon (Amazon Clone)   [Live Site](#) • [Github](#)
- Used database relationships in a Flask backend to efficiently query information from a PostgreSQL database.
- Utilized the WTForms library in order to validate inputs sent in from different POST routes.

SmartSplit (Splitwise Clone)   [Live Site](#) • [Github](#)
- Worked with React components so that different group members were able to concurrently work on different features that piece together easily upon completion.
- Utilized self-referential many-to-many relationships in SQLAlchemy to verify a user's friends and their expenses.

TheBnb (Airbnb Clone)   [Live Site](#) • [Github](#)
- Worked with Redux thunk middlewares in order to streamline access to API endpoints from an Express backend.
- Used Sequelize eager loading for aggregating data in order to optimize run-time for queries.

Unemployment Rate Time Series   04/2020 – 06/2020
- Utilized a time series in R to find an accurate model, forecast, and 90% confidence interval for what the job market may have looked like for recent graduates without COVID-19.

Hate Speech Detection   04/2020 – 06/2020
- Utilized PySpark to analyze a dataset with 25,000+ observations in order to predict within a 90% success rate whether a certain user's tweet could be considered hate speech.

Credit Card Fraud Detection   04/2020 – 06/2020
- Used machine learning methods in R in order to detect fraudulent credit card transactions with 93% accuracy.

Crime in Berkeley   09/2019 – 12/2019
- Used a dataset about crime in the Berkeley region in order to map different types of crime using different visualizations such as heat maps to identify problem areas and possible correlations with Python.

SKILLS & LANGUAGES

Key Skills: Pair Programming, Test-Driven Development, Object-Oriented Programing, Scrum Methodologies, Tableau, Asana, Slack, Tableau, Data Mining, Data Analysis, Time Series Analysis, Forecasting, Machine Learning, Regression Analysis, Microsoft Suite (Word, Outlook, PowerPoint, Excel), & Google Suite (Docs, Sheets, Slides, Forms, Calendar, Mail)
Coding Languages: JavaScript, Python, R, HTML, CSS, SQL, & Spark
Frameworks: React, Redux, Express, Flask, Sequelize, SQLAlchemy, PostgreSQL, AWS, Spark
Languages: English & Korean

EDUCATION

App Academy   08/2022 – 01/2023
Full-Stack Software Engineering Curriculum
University of California, Santa Barbara   09/2016 – 06/2020
B.S Statistics & Data Science