Jennifer Banks
Data Scientist

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Github - LinkedIn - Medium

Education
Data Science, Lambda School   2020-2021
Coursework Includes: Computer Science, Descriptive Statistics, Predictive Models, Machine Learning Algorithm, Data Engineering, Neural network, Deep Learning, Cross-Functional project, Data Profiling and Visualizations
MA in Secondary Math Teaching, Thomas University   May 2018
BS in Civil Engineering, Silliman University   Mar 2000

Technical Skills
Programming Expertise: Python (NumPy, Pandas, Scikit-learn), SQL and Excel
Framework/Deployments: TensorFlow, Keras, FastAPI, Flask,, AWS EB, Heroku
Skills: Data analysis, Linear and Multivariate regressions, Predictive analytics, K-cluster analysis, Machine learning /Deep Learning products, Natural Language Processing, Feature Extraction, Database Queries, API Development

Data Science Projects
CitySpire Data Science API, *Lambda School,* Project Link   February 2021
- Created forecasting model that provides rental price projections for n-number of months
- Created and updated a cloud database on AWS for different information associated with the API
- Collaborated with a remote cross functional team of data scientists, web and iOS developers using tools such as Slack, Zoom, Trello and Github

Weather API, *World Quant University*, Project Link   November 2020
- Created a simple web app that provides temperature based on user's IP address
- Accessed and aggregated publicly available API

Spotify Song Suggestor, *Lambda School*, Project Link   August 2020
- Performed data gathering and feature extraction from a dataset taken from Kaggle.com.
- Developed an NLP and encoded-based model options for song recommendations
- Created data profiling, visualization and other exploratory numerical analysis

Strain Recommender, *Lambda School*, Project Link   June 2020
- Utilized Natural Language processing to process user input, that is eventually used to get recommendations
- Built a KNN model that provides n-number of Cannabis strains similar to information provided by end-user

Work Experience
Team Lead/Support Lead, *Lambda School*   July 2020-
- Led a group of 5-12 students throughout their core curriculum in Data Science
- Provided technical, content and overall support as needed
- Seeked instructors' and leaders' input in decision making process

Secondary Math Teacher, *Clayton County Public Schools*   2014-2020
- Individualize learning for my students and actively incorporated technology in the classroom
- Monitored students' performance and comprehension indicators for increased growth in state assessments

Math Tutor, *Freelance*   2012-2014
- Provided in-person and online Math tutorial services for elementary to college level students

Sales Engineer, *Metalink Steel Manufacturing Inc*   2003-2011
- Account and business acquisitions by introducing product and engineering services.
- Maintained strong relationship with clients by creatively providing solutions to their problems
- Tasks involved but not limited to risk management, business strategy