

# Jennifer Banks

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## Education

**Data Science Program**, Lambda School, 2020-2021

*Coursework Includes:* Computer Science, Descriptive Statistics, Predictive Statistics, Machine Learning, Data Engineering, Neural network, Deep Learning, Cross-Functional project

**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](#), 2021

- Worked with a team to provide DS-processed endpoints for web and iOS sub-groups.
- Created forecasting model that provides rental price projections for n-number of months.
- Created and updated database for different information associated with the API.

**Strain Recommender**, *Lambda School*, [Project Link](#), 2020

- Utilized Natural Language processing to process user input, that is eventually used to get recommendations.
- Used KNN to provide n-number of Cannabis strains similar to information provided by end-user.

**Weather API**, *World Quant University*, [Project Link](#), 2020

- Created a simple API that provides temperature based on user's IP address.

**Spotify Song Suggestor**, *Lambda School*, [Project Link](#), 2020

- Provided NLP-based and encoded-based model options for song recommendations
- Worked with cross-functional team.

## Work Experience

**Team Lead/Support Lead**, *Lambda School*, July 2020- present

- Led a group of 5-12 students throughout their core curriculum in Data Science.
- Provided technical, content and overall support as needed.
- Sought instructors' and leaders' input in decision making process.

**Secondary Math Teacher**, *Clayton County Public Schools*, 2014-2020

- Led my students to an increased growth metrics in state assessment.
- Reflected on various ways to individualize learning for my students.
- Actively incorporated technology in the classroom.

**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

- Developed new accounts by introducing product and engineering services.
- Maintained strong relationship with clients by creatively providing solutions to their problems.