John Guo

Data Scientist

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I am a data scientist with a background in math and education. I have experience with tackling challenging problems, learning technical topics, and communicating deep ideas in a digestible way. I am looking to apply these skills to provide value to companies through data driven modeling.

Skills:

Python (Numpy Pandas Sklearn), Data Visualization (Matplotlib Seaborn), Machine Learning, Unsupervised Learning, Neural Networks, Tensorflow, Time Series, Probability, NLP, Web Scraping, Regex, SQL, Spark, Databricks, AWS, Git, Github, LaTeX

Experience

Data Science Immersive   Aug 2022 - Nov 2022
General Assembly   Remote

A 480+ hour project based data science program that focused on generating company value through developing predictive models. Some completed projects include:

- Created a convolutional neural network to classify audio data as one of six non-speech human sounds. The model correctly classified unseen data with 87% accuracy.
- Used Pushshift's API to collect reddit posts from r/Seattle and r/SeattleWA. Cleaned text data and built a stacking classifier that predicts which of the two subreddits a post was made in.
- Developed regression models to predict housing prices in Ames, Iowa and infer which home qualities have the strongest influence on the sale price.

Community College Mathematics Professor   June 2018 - Aug 2022
Seattle Central College   Seattle, WA

- Recorded over 100 in-depth online math videos to supplement teaching remotely over Zoom
- Collaborated with faculty to create free Mathematica resources for students to replace a mandatory 1-credit class, reducing the costs for all STEM students by up to $306.92
- Condensed math requirements for non-STEM majors through corequisite course development

Education

General Assembly   Nov 2022
Data Science Immersive

San Francisco State University
Masters in Mathematics   Aug 2017
Bachelors in Applied Mathematics   May 2015

Favorite Hobby Rock climbing