Nate Cox | Data Scientist

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Data scientist who enjoys solving problems for companies that seek continuous improvement and growth. Through thoughtful analysis, I embrace challenges that help clients make informed decisions using data.

SKILLS

Programming: Python, SQL, Pandas, Numpy, Web Scraping, Javascript, Angular, HTML, CSS
Machine Learning: Scikit-learn (sklearn), Tensorflow, Keras, Neural Nets (FNN, CNN, RNN), Natural Language Processing (NLP), Transfer Learning, Supervised and Unsupervised Learning
Data Visualization: Tableau, Matplotlib, Seaborn, Plotly
Cloud Computing: AWS, Spark
Collaboration: Scrum, Agile, Git

EXPERIENCE

DATA SCIENCE FELLOW - General Assembly   **December 2021 - March 2022**
Completed 25 labs and 6 projects in a 480-hour, full-time professional training to develop and apply skills to solve real-world business problems.
- Collected data using the Pushshift API and used NLP techniques, such as a TF-IDF Vectorizer. I combined Multinomial Naive Bayes and Logistic Regression models using a voting ensemble that performed 17.6 percentage points higher than the baseline at determining what subreddit a comment came from.
- Worked with a team of data scientists to identify shelter dogs that were at risk of high adoption wait times. Created a Streamlit app that pulled dogs from the Petfinder API and identified those at risk to give them more exposure to help get adopted.
- Analyzed a business's sales data to identify areas where more profits could be generated by using RFM, K-Means clustering, and a XGBoost Regressor. Presented my findings to the owners and delivered an Excel Workbook with my recommendations as well as a Tableau Dashboard. A conservative sample of my recommendations would generate a 2.2% increase in profits.

DATA ANALYST - Dale Cox Distributing   **February 2021 - Present**
- Work with data pertaining to product sales, sale totals per store and territory
- Create reusable programs to easily generate reports
- Use Python and Pandas to clean the data
- Create data visualizations using Tableau, Seaborn, and Matplotlib
- Present the information and my findings to the business owners

MACHINIST - Kval Inc.   **February 2020 - January 2021**
- Operated manual mills, manual lathes, and CNC mills to produce parts according to blueprints
- Learned to read and write G-code for CNC machines
- Reviewed the code of the programs to check for errors

- Edited programs to prevent damage to machines/tools and decrease runtime of parts to increase output

CARPENTER - Tomrose Construction   **February 2015 - February 2020**
- Worked on multi-million dollar remodels and additions
- Worked alongside others to build according to plans, code, and client satisfaction

EDUCATION

General Assembly, Remote   **2022**
Data Science Immersive
University of California, Santa Cruz, Santa Cruz, CA   **2014**
Computer Science

CERTIFICATES

Certified ScrumMaster (CSM) - Scrum Alliance
Javascript Development - General Assembly
Complete Python Bootcamp From Zero to Hero in Python - Udemy
The Complete SQL Bootcamp 2021: Go From Zero to Hero - Udemy
Angular - The Complete Guide - Udemy
Angular & NodeJS - The MEAN Stack Guide - Udemy