

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 data-driven decisions.

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

RELEVANT EXPERIENCE

Data Science Fellow

Remote

General Assembly

12/2021 - 03/2022

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

Petaluma, CA

Dale Cox Distributing

02/2021 - 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

Petaluma, CA

Kval, Inc.

02/2020 - 01/2021

- 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

Petaluma, CA
 02/2015 - 02/2020

- Worked on multi-million dollar remodels and additions
- Worked alongside others to build according to plans, code, and client satisfaction

EDUCATION

General Assembly Remote
 Data Science Immersive 12/2021 - 03/2022

Scrum Alliance Remote
 Certified ScrumMaster (CSM) 11/2021 - 11/2021

Udemy Remote
 The Complete SQL Bootcamp 2021: Go From Zero to Hero 11/2021 - 11/2021

Udemy Remote
 Complete Python Bootcamp From Zero to Hero in Python 10/2021 - 10/2021

Udemy Remote
 Angular & NodeJS - The MEAN Stack Guide 09/2021 - 09/2021

Udemy Remote
 Angular - The Complete Guide 08/2021 - 08/2021

General Assembly Remote
 Javascript Development 04/2021 - 07/2021

University of California, Santa Cruz, Santa Cruz, CA
 Computer Science 09/2012 - 09/2014