

# 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.

- 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.
- 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.
- 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.

**Data Analyst**

Petaluma, CA

**Dale Cox Distributing**

02/2021 - Present

- Work with data pertaining to product sales and 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**  
 Data Science Immersive

Remote  
 12/2021 - 03/2022

**Scrum Alliance**  
 Certified ScrumMaster (CSM)

Remote  
 11/2021 - 11/2021

**Udemy**  
 The Complete SQL Bootcamp 2021: Go From Zero to Hero

Remote  
 11/2021 - 11/2021

**Udemy**  
 Complete Python Bootcamp From Zero to Hero in Python

Remote  
 10/2021 - 10/2021

**University of California, Santa Cruz**, Santa Cruz, CA  
 Computer Science

Santa Cruz, CA  
 09/2012 - 09/2014