

# DANIEL NORTHCUTT

Data Engineer



daniel.h.northcutt@gmail.com



[/daniel-northcutt](#)



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337-349-3194

## TECHNICAL SKILLS

Python - SQL - Tableau - Applied Statistics - Pandas - Matplotlib - Seaborn - Machine Learning - Natural Language Processing - Apache Spark - Data Storytelling - Git - Jupyter Notebooks - Anaconda

## EDUCATION

### Codeup

#### Certificate of Completion, March 2022

Develop expertise across the full data science pipeline (planning, acquisition, preparation, exploration, modeling, delivery), become comfortable working with data to deliver actionable insights to diverse stakeholders.

#### Portland State University - 2012

Bachelors of Science, Environmental Studies  
Minor Economics & Geography

## PROFESSIONAL EXPERIENCE

### Oasis Texas Brewing Company 2020-2021

Brewer

Contracted brewing and seltzer production for a large national brand. Responsibilities included daily analysis and lab reports on packaged goods and deliverables.

### Hawkers Brewing Company 2016 - 2019

Brew Deck Manager

Onboarded 60+ recipes working directly with contract clients. Streamlined brewhouse efficiency and implemented high gravity brewing at a 20-25% increase in daily yield. Reduced breakdown faults and training utilizing SOPs, checklists, and remote server. Fulfilled all technical and lab duties required.

### Parish Brewing Company 2012 -2015

Lead Cellarman

Maintained the highest quality and consistency of product through fermentation, cellar, and packaging. Developed new products and scaled cellar department with 2.5x growth in 3 years.

## ABOUT ME

My experience in production management equips me with the skills to thrive in challenging conditions and provide actionable insights. Having an analytical nature paired with the drive to meet goals and solve problems. I thrive in conveying data in a meaningful and inspiring manner while providing consistent and excellent results.

## DATA SCIENCE PROJECTS

### Racket Science:

*Classification/Exploration - March 2022*

Capstone group project that predicted the outcome of ATP men's tennis matches at 64% accuracy using machine learning. Deep exploration into drivers of greatness, Roger Federer, and prediction outcomes for future champions by their first 50 professional matches.

### Team Bot:

*NLP/Classification/Team Project - February 2022*

Employed NLP processing techniques to predict the programming language of a GitHub repository when searching for 'bot' within the README. Lemmatization with Random Forest predicted 9% above baseline.

### Beer Style Analysis:

*Classification/Python - January 2022*

Predicted beer style at 76% accuracy on a multi-classification target. Deep data discovery and value imputing was needed for this dataset from BreweryDBs API

### Zillow's Zestimate Predictions:

*Clustering/Regression/Team Project - January 2022*

Using clustering, scaling, statistical testing, and OLS modeling we created a model based on the 2017 California Homes database that beat Zillow's logerror home prediction RMSE by 2.95%. We utilized Maps API to present our findings in meaningful ways.

### Zillow Regression Modeling:

*Regression - Decemeber 2021*

Predicted home value utilizing feature engineering, data exploration, and regression modeling. LassoLars model predicted homes 11% above the RMSE.