

Abe Woycke

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SUMMARY

Data Science professional with skills in **Predictive Modeling**, **Analytics**, and presenting data in a way that is accessible to a variety of audiences including non-technical stakeholders. Thrives in high pressure settings, has strong problem solving abilities, and is a confident and effective public speaker.

TECHNICAL SKILLS

LANGUAGES: Python, SQL

DATA SCIENCE: Probability, Statistics, Machine Learning, Data Analysis, Data Visualization, Data Wrangling, Data Cleaning, A/B Testing

DATA SCIENCE TOOLS: pandas, Jupyter, NumPy, scikit-learn, matplotlib, seaborn, APIs, BeautifulSoup, JSON requests, keras, TensorFlow

VERSION CONTROL: Git, Github

EXPERIENCE

Springboard

04/2020 to 11/2020

Data Science Career Track

Successfully completed 500+ hours of hands-on course material, with 1:1 industry expert mentor oversight. Mastered skills in Python, SQL, data wrangling, data visualization, hypothesis testing, and machine learning. Completed 2 in-depth portfolio projects:

- *National Basketball Association (NBA) Game Outcome Classification Model*
 - Predicts NBA game outcomes based on home and away team's prior performance
 - Used **keras**, **TensorFlow**, **Python**, **Jupyter**, **scikit-learn**, **matplotlib**, **seaborn**, and **NumPy** to create a neural network classifier
 - Improves performance over NBA analyst picks by 11%
- *Korean Baseball Organization (KBO) Projections*
 - Predicts hitter performance in the "Triple Crown" categories (RBI, HR, and BA) for the full 2020 season based on player performance over the first 25 games
 - Used **Python**, **Jupyter**, **scikit-learn**, **requests**, **BeautifulSoup**, **matplotlib**, **seaborn**, and **NumPy** to create several Ridge Regression models
 - Outperforms naïve projection system by 42%

Freelance Theater Artist

09/2013 to 03/2020

Director/Administrator/Actor/Improv Teacher

- Supervised a theater's operations for 6+ shows/week
- Managed academic and personal issues of a student body of 50+ adult students to create a safe creative environment
- Soft Skills: public speaking, performance under pressure, accountable to deadlines, creative problem solving, communication, teamwork, brand development, leadership, critical thinking, time management, organization

EDUCATION

Ursinus College

2011

Bachelor of Arts

- Graduated with honors