

Carter Carlson

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EXPERIENCE

All Things TA!

Data Scientist

Chicago, IL

June 2019 – Present

- Automated the trading strategy for a trading group, generating \$150k in subscription-based revenues since March 2019.
- Optimized entry/exit points, take-profit, and stop-loss of algorithm with Regression and Decision Tree models.

Northwestern University

Data Science Teaching Assistant

Chicago, IL

July 2018 – Present

- Curriculum covers a broad array of technologies including Python (Flask, numpy/pandas, sklearn), JavaScript (React, NodeJS), MongoDB, MySQL/PostgreSQL, Tableau, R, and Git.

Thresholds

Data Specialist

Chicago, IL

July – December 2018

- Worked closely with Revenue Cycle management to provide IT support for reports, mapping current processes in SQL, and suggesting back-end improvements.
- Leveraged JavaScript and Python to improve internal website functionality.

Walgreens

Data Analyst Contractor

Chicago, IL

January - July 2018

- Processed images using Python to perform functions to validate image borders, compare image similarity, and match the item in Walgreen's database.
- Worked with Merch Ops team members by using VBA to automate updating ingredient information for items listed on the Walgreens website, saving \$40k in labor in two weeks.
- Developed a Python web scraper to compare Walgreens product prices to their competitors. The report found a popular beauty line had an average 20% premium on the Walgreens site.

Catholic Protection Management

Data Analytics Consultant

Elburn, IL

July - December 2017

- Revised pricing methods with VBA to increase company-wide revenue by a predicted 10%.

EDUCATION

Udacity

Data Analysis and Full Stack Web Developer

December 2017

- Mastered SQL databases by building multi-user web applications with Flask and SQLAlchemy.

Thinkful

Data Science

November 2018

- Utilized many machine learning methods in Python: Clustering Models, Deep Learning, Natural Language Processing, Regression, and Random Forest.

Indiana University

Bachelors of Management

Bloomington, IN

May 2017

ACTIVITIES

Cryptocurrency Rebalancer

May 2018 - Present

- Aggregated large datasets from API calls into CSV files and PostgreSQL databases.
- Backtesting quantitative trading strategies with historical data to analyze and compare strategy performance, execute real-time trades with the same models, and displaying transaction data with a React front-end.

Indiana University Athletics

- Phi Sigma Kappa Little 500 Bike Team

TECHNICAL SKILLS

- (proficient): Python, JavaScript, SQL, MongoDB, HTML5/CSS3 (familiar): Solidity, Git, Tableau, VBA