



Springboard certifies that

**Charles Tucker**

has successfully completed

## Data Science Career Track

A 600-hour online course that covers Machine Learning, Recommendation Systems, Time Series Analysis and Social Network Analysis in Python. Charles participated in weekly live 1:1 mentoring sessions with an industry-experienced data scientist, and successfully completed two final projects, "Predicting Alzheimer's Disease" and "Sentiment Analysis of Amazon Video Game Reviews" that were reviewed by an independent industry expert.

### Mini-Projects Completed

Three Exploratory Data Analysis projects  
Linear & Logistic Regression  
Time Series Analysis  
Recommender Systems  
Naive Bayes  
Customer segmentation using clustering  
MapReduce with Spark

### Topics Covered

Programming in Python  
Software engineering principles  
Data Wrangling  
Inferential Statistics  
Machine Learning  
Data at Scale  
Data Storytelling  
Recommender Systems  
Time Series Analysis  
Social Network Analysis

A handwritten signature in black ink, reading "Jonathan Heyne".

**Jonathan Heyne**

General Manager, Data Science Programs

A handwritten signature in black ink, reading "Alex Aklson".

**Alex Aklson**

Data Science Career Track Mentor, Springboard