

LUCY ALLEN

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Skills

PROGRAMMING

Python
SQL

DATA VISUALIZATION

Tableau
Matplotlib
Seaborn
Plotly

PYTHON PACKAGES

Pandas
Numpy
SciKit Learn

MACHINE LEARNING

Regression
Classification
Clustering
Dimensionality Reduction
Natural Language Processing
Web Scraping

DATA STORAGE

AWS
PostgreSQL

Experience

Metis

Data Scientist

Remote
June 2020 to Sept. 2020

- Completed a 12 Week Intensive Bootcamp focused on programming, machine learning, and data visualization
- Designed and carried out 5 data science projects throughout the course using supervised and unsupervised learning algorithms and tools

Burgiss

Data Research Intern

Hoboken, NJ
May 2017 to July 2017

- Researched fund manager performance statements to provide analysis associated with private equity valuations and to update and maintain the accuracy of the information within the database
- Supported the Data Operations team and organized a variety of financial documents to increase the efficiency of the company's computer system

Colgate University

Applied Econometrics Tutor

Hamilton, NY
Jan. 2018 to May 2018

- Taught students how to use SAS and Stata software systems during lab class each week

Projects

Ski Resort Recommender

- Created a Ski Resort Recommender to help experienced skiers find new mountains to explore and help new skiers find resorts to start their ski journey
- Used Tableau for Visualization of Resorts around the United States and Streamlit to create an interactive web application

Friends: The One With the Data Science Analysis

- Used Natural Language Processing in conjunction with unsupervised learning techniques to analyze the TV Show Friends
- Discovered interpretable topics and themes for each character and season throughout the series

NHL High Scoring Game Predictor

- Used Classification Algorithms to predict whether an NHL Game will have more than 7 total points
- Stored data in AWS and used SQL along with Python to feature engineer new columns

Rental Income Predictor

- Used Linear Regression to Predict the Rental Income for beach homes in Cape May County NJ
- Web Scraped VRBO using BeautifulSoup and Selenium to gain data on NJ beach rentals

Volunteering

AmeriCorps · Urban Education Fellow
Newark, NJ

Aug. 2018 to June 2019

- Provided coaching specific to the needs of students to help them grow and develop both academically and socially
- Collaborated with other teachers and fellows to establish individualized mathematics learning programs for students
- Communicated weekly with parents to provide feedback on performance and strategies to enhance student development

Education

Colgate University

Bachelor of Arts Mathematical Economics 2018

Aug. 2014 to May 2018

Major GPA: 3.78

Magna Cum Laude, Overall GPA: 3.54

Omicron Delta Epsilon, Economics Honors Society

Colgate London Economics Study Group

Selected to participate in a competitive program studying European Economics taught by renowned professors in London

Aug. 2016 to Dec. 2016

Leadership and Campus Activities

Club Field Hockey · Captain

Aug. 2017 to May 2018

- Provided team leadership, as well as organized game times with other teams, coordinated field times with Colgate club sports advisors and worked with Colgate's club sports office to work through the budgeting for the field hockey season

Volunteer Income Tax Assist (VITA) · Tax Advisor

Jan. 2017 to Apr. 2017

- Prepared and filed federal and state tax returns for low-income households in Madison and Chenango counties