

Alexander J. Young

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Technical Skills

Programming Languages

- Python, SQL (Postgres), Javascript, Excel VBA, HTML/CSS, R

Technical Programming Libraries

- Webscraping (Beautiful Soup), Machine Learning (Tensorflow, sk.learn), D3.js, Leaflet, Numpy, Pandas, Plotly, Flask, Matplotlib

Other Technical Services/Skills

- GitHub, MongoDB, Heroku, Amazon Web Services, Excel, CLI (Command Line Interface)

Education

Rice University, Houston, TX

Class of 2017

Major: Economics; Minor: Business; GPA: 3.5

University of North Carolina at Chapel Hill

August 2019 to February 2020

Data Analytics Bootcamp Certificate

Experience

Energy Client Support Associate, S&P Global, Charlottesville, VA

May 2020– Present

- Guided clients through hundreds of queries involving S&P Global's data platform and proprietary Excel functions.
- Maintained a 100% survey score and helped train the newest hire despite being relatively new to the team.
- Won "Golden Phone Award" for August for most cases closed in the month. Also nominated for "Rising Star" award.

Team Member, Whole Foods and Harris Teeter, West Cary, NC

September 2018 – April 2020

- Delivered excellent customer service to thousands of customers at Harris Teeter and Whole Foods.
- Led Amazon Prime Now by fulfilling online orders at 84 Units Per Hour and coaching team members to achieve sales goals.

Teacher, Heights High School, Houston, TX

January – May 2018

- Created and taught daily lesson plans for 140 9th grade World Geography students for semester.
- Evaluated student work, resolved disciplinary issues, and tutored a student to help him grow from 6% average to passing.
- Learned best education practices from Rice University's Master of Arts in Teaching program at night.

ERCOT Energy Trading Intern, Direct Energy, Houston, TX

May – August 2016

- Compiled Excel reports of daily plant outage reports and weekly position reports of indirect retail customers.
- Accelerated daily report efficiency by using Excel VBA automation to reduce creation time from 2 hours to 2 minutes.

Projects

Private Island Data Visualization

February 2020

- Developed interactive dashboard to web-scrape and visualize private island data in collaboration with team.
- Built interactive 3D globe, created with D3 Javascript. Created filterable D3 star chart.
- Animated images using CSS. <https://islandlair.herokuapp.com>

Interactive NBA Website

December 2019

- Modeled NBA player salaries using Plotly interactive charts and Bootstrap CSS. <https://tinyurl.com/NBA-O-U-website>

MIT Sloan Sports Analytics Paper Submission

December 2016

- Co-authored and submitted "The Wins Floor: Addressing the NBA's Polarization Problem" to the MIT Sloan Sport Analytics Conference.

Awards

- Rice University Senior Class Commencement Speaker for 2017
- Rice University Award for Outstanding Sports Representative