Alexander J. Young

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Technical Skills

Programing 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

Team Member, Whole Foods and Harris Teeter, West Cary, NC   **September 2018 – Present**
- 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.
- Received formal compliments from numerous customers, including the regional manager of Whole Foods.

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.
- Calculated P&L to assist trader in updating daily prices and positions.
- 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.
- Implemented regression analysis to discover that any team that wins below 19 games is plausibly "tanking."

Awards

- Rice University Senior Class Commencement Speaker for 2017
- Rice University Award for Outstanding Sports Representative
- Lovett College Outstanding Senior Award | Lovett College "Open Door Award" for Friendship and Accessibility