Austin Barish

Washington, DC • +1 (720) 666-3689 • abb110@georgetown.edu • [LinkedIn](#) • [Portfolio](#)

SKILLS

Languages: Python, R, SQL, Stata, HTML

Tools and Packages: AWS, Azure, NetworkX, OpenCV, GitHub, Pandas, Tableau, Numpy, Spark, Scikit Learn, Neo4j, DuckDB, Docker, Polars, Matplotlib, Tidyverse, Bash, Ggplot, Plotly, Quarto, Altair, PyTorch, Jira, Asana, Lambda, Cuda, Shiny

EDUCATION

Master of Science in Data Science and Analytics

Georgetown University • GPA: 4.00   **Expected May 2024**

Bachelor Of Arts in Economics and Philosophy

Georgetown University • GPA: 3.767   **May 2023**

Graduated with Economic Honors

PROJECTS

NBA Player Guesser   **Jan 2024 - Present**
[Live App](#), [Github](#)

- Built and launched a live web app NBA Player Trivia game using Python, Pandas, R, and Shiny where users can guess an NBA player based on player stats or career paths.
- Collected all 29,605 NBA player season statistics since 1946 using the [NBA API](#) to build a complete collection of players.
- Currently working to expand into other sports and find a sports statistics website to host the game with large server functionality.

How Redditors Discuss Music   **Aug 2023 - Dec 2023**
[Project Report](#)

- Analyzed all Reddit posts (submissions and comments) from 2021 to March 2023 totaling over 800 million entries using Spark, AWS Sagemaker, and Azure ML.
- Classified 8 million posts into the music genres the posts were discussing using a Multinomial Naive Bayes model using PySpark ML demonstrating consistency in genre syntax and inter-genre relationships.
- Deployed Spark NLP's Named Entity Recognition (NER) to identify the most commonly discussed music topics by genre and across the entirety of the data.

Homophone Grammar Checker   **Aug 2023 - Dec 2023**
[Project Report](#), [Live Demo](#)

- Live grammar-checking demo built using Python, HuggingFace's BERT, and Heroku to check that all homophones are correct.
- Generated and tested on 68,573 samples by parsing data from Project Gutenberg achieving 92.8% accuracy and over 99% precision.

All Roads Lead to Philosophy   **Jun 2023 - Aug 2023**
[Project Report](#)

- Proved the existence of the "[Getting to Philosophy](#)" phenomenon by building Wikipedia's page networking using Python, NetworkX, HTML, and Web scraping.
- Demonstrated convergence in the rate of reaching the philosophy page around 85% at 23,169 pages (nodes) with an average of 11 degrees of separation from the Philosophy page.

- Constructed a second-link network of 14,631 nodes, highlighting the unique existence of Getting to Philosophy on the first link of Wikipedia pages.

WORK EXPERIENCE

Sports Writer

The Hoya • Washington, DC   **Sep 2019 - May 2023**

- Covered and attended weekly Georgetown sporting events including interviewing coaches and players such as Georgetown Men's Basketball Head Coach and Basketball Hall of Famer Patrick Ewing.
- Promoted to columnist in the Summer of 2020 to write bi-weekly opinion columns on emerging trends and stories within the sports world.
- Trained and mentored new writers by leading monthly bonding sessions and meeting with new writers.
- Created content for The Hoya online and on Twitter to bring Georgetown fans to Indianapolis as one of the ten Georgetown Media members to attend the 2021 NCAA Men's Basketball Tournament.

Technical Engagement Intern

Yext • Rosslyn, VA, USA   **May 2022 - Aug 2022**

- Led client communications for over a dozen clients ranging from Goldman Sachs to Bojangles, enhanced client SEO, improved client web page design, and optimized internal search functionality.
- Managed developer teams to prioritize and solve clients' most pressing needs and ensure all deliverables met client expectations.
- Instituted and led a weekly intern meeting to boost cohesion and understanding while reporting intern feedback to management.
- Developed a Help Site demo and documentation using HTML, Jira, and Asana to answer clients' unique queries and centralize client information to optimize client hours and minimize inefficient client hours.

Data Analyst Intern

Cloud Peak Law Group • Remote   **Jun 2021 - Aug 2021**

- Utilized Python, SQL, and GitHub to analyze worker records and publish analysis on project efficiency and client retention uncovering underutilized products, productive employees, and sales seasonality.
- Optimized company resources by discovering new insights within over 100,000 rows of previously unused data to bring data analytics across the company.
- Launched new reporting programs in Python to accommodate the company's rapid growth as the sole Data Analyst working directly with the CTO and Admin Team to create over 20 new reports.
- Developed self-sustained apps to allow 50 employees with no programming experience to access analyzes in minutes rather than hours sifting through thousands of rows of data.

Intern

Cambiar Investors LLC • Denver, CO, USA   **May 2020 - Aug 2020**

- Teamed with the Trading Department to balance client accounts daily to align with investment models following account changes while monitoring price changes and intraday market movement.
- Attended daily investment meetings with sector analysts to discuss market trends and consider new investment ideas in a unique period in history.