

Austin Barish

New York, NY • +1 (720) 666-3689 • barishaustin@gmail.com • linkedin.com/in/austinbarish • austinbarish.georgetown.domains

WORK EXPERIENCE

M Science • New York, New York

Jun 2024 - Present

Equity Research Associate • Full-time

- Leveraged consumer transaction data, e-receipts, and other alternative data sources to publish bi-quarterly estimates and reports on key KPIs for four restaurants (DPZ, WEN, QSR, PZZA) and AAPL.
- Synthesized multiple big datasets (>500 mn rows) using PySpark, SQL, and Power Query to create new analyses to illustrate company trends for clients.
- Summarized weekly trends with internal dashboards across restaurants, online delivery in the U.S. and U.K., and Apple Services.
- Rebuilt data pipelines on massive datasets (>1 trillion rows) to save hours in processing.
- Migrated dozens of data pipelines to Github and serverless compute to accelerate compute and establish better pipeline protections.
- Harnessed regex tagging within PySpark to build precise analyses on pressing company news to understand the impacts of price changes, new menu items, and FX changes.

The Hoya • Washington, DC

Sep 2019 - May 2023

Sports Writer

- 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.

Yext • Rosslyn, VA, USA

May 2022 - Aug 2022

Technical Engagement Intern

- 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.

Cloud Peak Law Group • Remote

Jun 2021 - Aug 2021

Data Analyst Intern • Internship

- Utilized Python and SQL to analyze worker records and publish analysis on project efficiency and client retention.

SKILLS

Languages: Python, SQL, R, Stata, HTML

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

EDUCATION

Master of Science in Data Science and Analytics

Georgetown University

GPA: 4.00

May 2024

Bachelor Of Arts in Economics and Philosophy

Georgetown University

GPA: 3.767

May 2023

Graduated with Economic Honors

- Standardized all code using GitHub to ensure repeatability as new data is collected.
- 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 employees with no programming experience to access analyzes in minutes rather than hours sifting through thousands of rows of data.

Cambiar Investors • Denver, CO, USA

May 2020 - Aug 2020

Intern

- 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.

PROJECTS

NBA Player Guesser

Jan 2024 - Present

<https://austinbarish.shinyapps.io/nbagueesser/>

- 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

Big Data and Cloud Computing Final Project

- Analyzed all Reddit posts 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 Named Entity Recognition to identify the most commonly discussed music topics by genre and across the entirety of the data.

Homophone Grammar Checker

Aug 2023 - Dec 2023

Advanced NLP Final Project

- 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

Network Analytics Final Project

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