Brianna Schuh

www.linkedin.com/in/briannaschuh | www.github.com/briannaschuh | www.briannaschuh.github.io/main/

EDUCATION

Yale University   New Haven, CT
Bachelor of Science: Statistics and Data Science   May 2023
Relevant Coursework: Artificial Intelligence, Big Data, Computability & Logic, Data Analysis, Discrete Mathematics, Information Systems, Intermediate Machine Learning, Linear Algebra & Matrix Theory, Linear Models, Probability Theory, Theory of Statistics
Awards: Jonathan Edwards College: Ellsworth Prize in Science & Math; Kappa Kappa Gamma (KKG): KKG Foundation Scholarship

Massachusetts Institute of Technology (MIT)   Cambridge, MA
- Summer Program: MIT Introduction to Engineering and Science (MITES)   Summer 2018
- Chosen as one of 71 students from a competitive pool of over 2,100 applicants to participate in the MITES program at MIT
- Exposed to different STEM fields through conferences hosted by STEM industry leaders and collaborated with peers on projects
- **Coursework:** Humanities, Chemistry, Electronics, Integral Calculus, Statistical Mechanical Physics
- **Awards:** Electronics: Spirit of the Class; Integral Calculus: Spirit of the Class

PROFESSIONAL EXPERIENCE

BNY Mellon | *Data Scientist* | New York, NY   August 2023 – Present
- Working on AI Hub as a Software Engineering and Technology University Program (SETUP) Data Scientist

Yale University | *Undergraduate Learning Assistant (ULA)* | New Haven, CT   January 2023 – May 2023
- Hosted weekly office hours that reviewed course material and assignments for Multivariate Statistical Methods (S&DS 363)
- Monitored an online discussion board for the 240+ students enrolled by answering questions on course content
- Graded homework assignments and provided feedback no more than five days after the assignment has been submitted

Bloomberg LP | *Data Analyst Intern* | Princeton, NJ   June 2022 – August 2022
- Created an internal Bloomberg app that minimizes Bloomberg Generic Price (BGN) volatility using statistical methods and plots
- Designed a proof-of-concept automation tool for bank loan data utilizing microservices akin to Apache Airflow & AWS Lambda
- Created an internal Bloomberg app to automate up to 2,342 news stories featuring the highlights of the Housing Price Index (HPI)

S&P Dow Jones Indices | *Inside Sales Intern* | New York, NY   June 2021 – August 2021
- Led data projects with the Asset Owners (AO) Client Coverage Team, AO Marketing Team, and AO Investment Consulting Team
- Analyzed over 25,000 entries of sales data, marketing data, and investment consulting data to support the design of new indices
- Enhanced the accuracy of the Salesforce database by 16% and the accuracy of the Marketo database by 8%

EXTRACURRICULARS

Code Haven | *Student Mentor* | New Haven, CT   February 2022 – May 2023
- Taught the fundamentals of computer science to middle school students in the New Haven Public Schools district
- Kept track of progress of each student to ensure that they are on track to complete their assigned projects
- Attended weekly cohort meetings to discuss and learn about lesson plans for the upcoming week

Matriculate | *Advising Fellow* | New Haven, CT   December 2019 – June 2022
- Selected to join this non-profit that helps low-income, high-achieving high schoolers navigate the college application process
- Researched different colleges, edited personal statement and essays, and provided support with financial aid and scholarships
- Attended monthly cohort meetings in order to stay up-to-date with the resources available to high school students

PROJECTS
- **Premier League Analysis**: Analyzed player data from FIFA 20 using various multivariate statistical methods
- **Cribbage AI**: Implemented a genetic algorithm to optimize the values of a cribbage policy for pegging and discarding cards
- **Senior Thesis**: Researched password complexity using techniques including k-means clustering, CNNs, and MLPs
- **Portfolio Website:** Taught myself HTML/CSS and JavaScript in order to build a website to showcase my portfolio

SKILLS
- **Programming Languages**: Python, R, SQL
- **Data Analysis Tools:** Pandas, Numpy, Matplotlib, Seaborn, Scipy, dplyr, ggplot2, Shiny, Leaflet
- **Machine Learning Frameworks**: Scikit-learn, Keras, TensorFlow, PyTorch, caret
- **Development Environments**: Jupyter Notebook, RStudio, Visual Studio Code (VS Code)