MARGARET REED

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EDUCATION

Columbia University   New York, NY
MS in Data Science   Dec 2023 (expected)

Duke University   Durham, NC
BS in Data Science, **Minor in Mathematics**   May 2022
Courses: Programming (R, Python, Java, SQL), Machine Learning, Databases, Data Visualization

PROFESSIONAL EXPERIENCE

Lenovo   Remote
Data Visualization Intern   Jun - Jul 2021
- Furthered company-wide efforts to migrate from Qlik Sense to Microsoft Power BI
- Assisted with internal training sessions to encourage best practices in data visualization through demonstration
- Designed a Power BI report with 30+ pages of interactive dashboards

Amazon   Remote
Software Development Engineering Intern   May - Aug 2020
- Developed an internal query tool for cross-validation, owning both frontend and backend aspects of the project
- Manipulated and queried high volumes of data from large databases
- Leveraged skills in Java, JS, and SQL for development over the course of the 12-week internship

TECHNICAL EXPERIENCE

Duke University: Undergraduate Teaching Assistant   Jan 2021 - May 2022
- Worked as a teaching assistant in two classes: STA199 & CS216
- Collaborated with teaching team at a weekly meeting and contributed new ideas on teaching
- Mentored students for project development, promoting teamwork best practices

Bluebonnet Data: Political Data Fellowship   Aug - Dec 2020
- Trained in political data tools, including census data, voter files, and VAN
- Served as a volunteer data analyst for a down-ballot democratic campaign in the 2020 cycle
- Provided analyses and insights using R and Python to efficiently target voters

Duke Bass Connections: Responses of Lakes to Multiple Stressors   Aug 2019 - May 2020
- Executed an RShiny app to model and educate the public about insights gained by research done in the ELA (Experimental Lake Area)
- Employed various techniques for data cleaning, multivariate representation, and web development

Duke DataFest: Best Visualization   Apr 2019
- Created a model in R measuring fatigue recovery for a women's rugby team using granular, game-day data
- Won top prize in data visualization for analyzing how players move around the field during the games to identify them
- Assisted players and their coaches in minimizing fatigue to improve game performance

SKILLS AND TECHNOLOGIES

R, Python, Java, SQL, Git, Scikit learn, HTML, CSS, Java Script React, Power BI, DAX, Excel sheets