

MARGARET REED

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EDUCATION

Duke University

Durham, NC

BS in Data Science (IDM), minor in Mathematics

May 2022

- Unweighted Cumulative GPA: 3.65
- Dean's List Spring 2019
- **Relevant coursework:** CS101 (Intro to Computer Science, *Python*), CS201 (Data Structures and Algorithms, *Java*), MATH221 (Linear Algebra), CS216 (Everything Data, *Python*), CS330 (Design/Analysis of Algorithms), CS371 (Elements of Machine Learning, *Python*), STA360 (Bayesian and Modern Statistics, *R*), STA323 (Statistical computing, *R, SQL*), STA432 (Stat. Learning and Inference),

JOB EXPERIENCE

Duke University, Undergraduate Teaching Assistant

Jan. 2021 - Present

- Works as a teaching assistant in two classes: STA199 - Intro to Data Science and CS216 - Everything Data
- Collaborates with the teaching team at a weekly meeting and actively contributed new ideas on teaching.
- Mentors students for project development
- Grades, holds office hours, leads lab sections

Amazon Inc., SDE Intern

May - Aug. 2020

- Learned and adapted to the team's architecture quickly.
- Developed an internal query tool, owning both the frontend and backend aspects of the project.
- Manipulated and queried data from large databases.
- Leveraged skills in Java, JS, and SQL for development.

Clinical Tools Inc., Research Intern

June - Aug. 2017

- Researched opioid addiction and obesity and how to best educate medical professionals and their patients about fighting these problems. Created online tools to assist medical professionals in the treatment of their patients, such as VR games for teaching patients about healthy vs not healthy foods.

TECHNICAL EXPERIENCE

Bluebonnet Data, Political Data Fellow

Aug. 2020 - Present

- Trained on political data methods, such as how to work with census data, the voter file, and VAN.
- Served as a volunteer data analyst for a down ballot democratic campaign in the 2020 cycle.
- Provided analyses and insights to help the campaign more efficiently target voters, place ad buys, place yard signs, understand early voting numbers, and understand their district demographics (R, Python).

Duke Bass Connections Team, Undergraduate Researcher

Aug. 2019 - May 2020

- In a team of 10, created an RShiny app to model and educate the public about the insights gained by research done in the ELA (Experimental Lake Area). (RShiny, HTML)
- Employed various techniques for data cleaning, multivariate representation, and web development
- Collaborated on podcast creation for the ELA.

Duke DataFest 2019

April 2019

- In a team of 3, created a model measuring fatigue recovery in order for players and their coaches to best understand how to minimize fatigue to improve game performance. (R, Python)
- Won top prize in data visualization for analyzing how women rugby players move around the field during the games in order to identify players. Presented findings at the Durham chapter of RLadies meetup Oct. 2019.

RELEVANT SKILLS

- Proficiency in R, Python, Java, SQL, Git, Scikit learn, HTML, CSS, JS React
- Interests in Data Science, data visualization, data journalism, and tech for social good
- Basic proficiency in Working with a group in both remote and in-person settings
- Public speaking and communication

EXTRACURRICULAR ACTIVITIES

DTech Scholar

April 2020 - Present

- Selected to participate in a leadership development program for high-potential women pursuing technical careers.
- Engaged in skill development, networking, and mentoring activities.