

Zari McFadden

Computer Science PhD Student at NC State

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EDUCATION

NC State University, Raleigh, NC — *Computer Science PhD*

August 2020 - Unknown

Spelman College, Atlanta, GA — 3.86 GPA — *Computer Science B.S.*

August 2016 - May 2020

Key Courses

- Calculus I & II
- Data Structures & Algorithms
- Database Management
- Discrete Mathematics

Google Tech Exchange, Mountain View, CA — *Domestic Exchange*

Spring 2019

Queen Mary University of London, London, England — *Study Abroad*

Fall 2018

EXPERIENCE

Microsoft, Redmond, WA – *Software Engineering Intern*

May 2019 – August 2019

Developed a user context stream on a Business Application Group Product to track customer usage throughout the site and gather actionable insights around how to improve the user experience.

Microsoft, Redmond, WA – *Explorer Intern*

May 2018 – August 2018

Developed a responsive feature to add to different pages of a business applications product, and tested the feature amongst preview customers and other Microsoft interns.

Morehouse College, Atlanta, GA — *Research Assistant*

August 2017 – August 2018

Africana Digital Ethnography Project

Develop a Python program that analyzes data from dance movements and speech amongst the African Diaspora.

University of Florida, Gainesville, FL — *Research Assistant*

June 2017 - August 2017

Analyzed qualitative data from audio transcripts through affinity diagrams and qualitative coding to find ways to make technology more efficient and accessible for children.

PUBLICATIONS

Woodward, Julia, et al. "Using co-design to examine how children conceptualize intelligent interfaces." Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems. ACM, 2018.

SKILLS

- Python
- Website Development with HTML, CSS, & Angular
- Qualitative Data Analysis
- Intermediate in C++
- Swift for iOS Development
- Intermediate in C#

Extracurricular Activities

- Bonner Scholars Program
- Ethel Waddell Githii Honors Program
- LINCIS Scholar Program
- Social Justice Associate

Leadership

M. Agnes Jones Elementary School - Volunteer

- Assist teachers with helping students understand materials
- Tutor students after school
- Facilitate after school programs and games

American Red Cross - Volunteer

- Assisted with the volunteer intake process

Girls Leadership Institute

- Acted as a facilitator to introduce elementary and middle school girls to Computer Science

HBCU Rising Mentor-Tutor

- Act as a mentor and tutor to middle school children to encourage continuing in STEM fields

Booker T. Washington High School – Volunteer

- Assist students as a tutor in Algebra and Geometry
- Assist the counselors with office work