

BASHAR K. SULYMAN

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EDUCATION

Washington University in St. Louis

Bachelor of Science, Computer Science

Minor: Bioinformatics

GPA: 3.69

Expected May 2024

Relevant Coursework: Data Structures and Algorithms, Object-Oriented Software Development, Parallel and Concurrent Programming, Intro to Artificial Intelligence, Web Development, Logic and Discrete Mathematics, Matrix Algebra, Calculus III

EXPERIENCE

Microsoft

Software Engineering Intern

May 2023 – Aug. 2023

- Built an internal dashboard to collect, summarize, and present important metrics on deployment pipelines across the entire M365 organization. This dashboard was used as an important monitoring service in support of an org-wide migration effort from one pipeline management service to another
- Optimized large KQL queries that ran as a scheduled Azure function around Microsoft's compute limits to maximize accurate data collection while minimizing compute costs. Data and recommendations were then aggregated/generated using C# (.NET) and an intermediary database. Finally, this data was presented on a dashboard using PowerBI

Washington University in St. Louis

CSE 131 (Introduction to Computer Science) Teaching Assistant

Aug. 2022 - Present

- Serve as a teaching assistant for CSE 131, an introductory course that teaches students computer science fundamentals in the Java programming language. Duties include grading assignments and exams, hosting TA office hours, facilitating group learning sessions, and helping students troubleshoot their work

Undergraduate Research Assistant

Aug. 2021 - Dec. 2021

- Worked semester-long in the department of physical therapy to develop an algorithm for sleep detection as part of an infant autism study
- Performed several literature searches to supplement research in the WUSM Movement science laboratory.

Microsoft & Cyborg Mobile

New Technologists Intern

May 2022 - Aug. 2022

- Selected from a pool of 2000+ applicants to participate in Microsoft and Cyborg Mobile's New Technologists internship program. Over the course of 7 weeks, I worked with a team of several other students to identify a problem and build an app from the ground up to solve it. Our web app was created using React alongside other common frontend libraries.

EXTRACURRICULARS

Washington University African Students Association

President

Aug. 2020 - Present

- Organize and participate in weekly in-person exec board meetings in which we planned school sponsored events that aligned with our organization's mission. Plan an African fashion show and Gala that is attended by over 200 students annually.
- Served as the organization's First Year Representative, Treasurer, Vice-president, and President during my time at Washington University in St. Louis

STRIVE for College

Student Mentor

Sep. 2021 - Present

- Mentored middle/high school students from the St. Louis area to help motivate and prepare them for college
- Gave weekly college prep presentations to groups of 10-20 students in a classroom setting
- Held SAT/ACT prep workshops and provided tutoring services to students in the STRIVE mentoring program

PROJECTS

Sleep Detection Algorithm (R, rStudio): Contributed to the design of an algorithm using R and rStudio to read and analyze patients' data collected from wrist-mounted accelerometers. Data was collected over a 24-hour period, and the role of the algorithm was to analyze this movement data and accurately detect when an infant was sleeping.

Simple News Web Site (PHP, MySQL, AWS EC2): Created a simple news site. Users were able to register and login, and usernames and hashed passwords were stored securely in a database. Users could also post stories, edit them, and comment on existing posts.

SKILLS

Programming Languages: Python, Java, C/C#/C++, JavaScript, Typescript, HTML/CSS, PHP, SQL, R

Technical Skills: Git, .NET, ReactJS, AWS, Azure, Eclipse, Visual Studio