Naseeba Faiza

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EDUCATION

Stony Brook University   Stony Brook, NY
Bachelor of Science in Computer Science   *May 2024*
- **Awards**: Dean's List
- **Activities**: Applied Mathematics Teaching Assistant for Probability and Statistics, Applied Mathematics Teaching Assistant for Linear Algebra, Women in Computer Science Mentor and Career Panelist
- **Relevant Coursework**: Discrete Mathematics, Linear Algebra, Probability and Statistics, Graph Theory, Analysis of Algorithms, Web Development, Computer Networks, Theory of Computation, Introduction to Data Science, Statistical Methods for Data Science
- **Certifications**: CodePath Data Structures Course, Udemy Python Bootcamp

TECHNICAL SKILLS

Languages, Frameworks, CI/CD, Libraries: Java, Python, Javascript, Ruby, Lua, C++, React, Node.js, JSON, HTML/CSS, R, Git, Github, Gerrit, Gitlab, C, JUnit, ELK Stack, Unit Testing, Jira, Trello, Postman, MongoDB, Jenkins, Data Analysis, Linear Regression, KNN, Matplotlib, SciKit, NumPy, Pandas, Docker, Lighttpd, Figma, IBM Carbon System

EXPERIENCE

Full-Stack Software Engineer Intern   May 2023 – Aug 2023
Cisco Meraki   *Chicago, Illinois*
- Used Ruby, Lua, and C++, to develop debug-ability on Meraki Vision generation 2 and 3 cameras.
- Created a Grafana dashboard to showcase Smart Codec Observability implemented within all active Meraki Vision generation 2 and 3 cameras, which streamlined testing and enhanced visibility by 90%.
- Conducted statistical analysis using mean, median, mode to quantify the impact of Smart Codec on retention.
- Analyzed large active camera datasets to uncover trends and patterns in Smart Codec's efficiency.
- Obtained essential knowledge about the Meraki Vision camera architecture and video streaming technology.

Client-Facing Software Engineer Intern/Co-op   May 2022 – Dec 2022
IBM   *Poughkeepsie, New York*
- Used React.js/Redux, Node.js, JSON, Flask, CouchDB, and IBM Carbon Design Systems to develop both the frontend and backend of WebIPCS, a modern web application to ease debugging and modernize the existing legacy application IPCS.
- Obtained core knowledge about the z/OS system and debugged sample z/OS dumps using IPCS and WebIPCS.

PROJECTS

Smart Codec Observability   Grafana Dashboard
Grafana, JSON, Ruby, Gerrit, Unit Testing, Jenkins
- Created a dashboard which served a showcasing tool for various implementations made to show the impacts of Smart Codec on the Meraki Vision cameras' video retention.

Video Streaming Debug-ability   Elastic Data Analytics Fields
Ruby, Lua, C++, C, Meraki libraries, Lighttpd
- Developed error handling features on camera and on the backend to show cleaner, JSON-parsed error responses on Elastic, reducing debugging by 50%.

Fake Stack Overflow   Full-stack Web Application
React.js, Node.js, Figma, MongoDB
- Developed a full-stack Q&A web application, "Fake Stack Overflow," using React for the frontend and Node.js with MongoDB for the backend, permitting user authentication, database management, and responsive web design.

Commands Playlist   Web Application
React/Node.js, CSS/HTML, IBM Carbon Design Systems, CouchDB
- Created a web application which served an essential internal tool– a shareable playlist for important IPCS commands used for z/OS debugging.