

MICHAEL ARYEETEEY

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EDUCATION

New York Institute of Technology

New York, NY

Bachelor of Science in Computer Science;

EXPECTED: 12/2024

CGPA: 3.83/4.0; 4x Presidential Honors List

Relevant Coursework: Database Management; Programming; Data Structures; Calculus; Statistics in Computer Science; Computer Organization & Architecture, Discrete Structures, Operating Systems.

PROFESSIONAL EXPERIENCE

Dell Technologies Inc.

Austin, TX

Data Analyst Intern

05/2023 - 08/2023

- Managed data cleansing and aggregation, creating a unified dataset that significantly enhanced team's data-driven decision-making.
- Implemented a data clustering model using DBSCAN and KMEANS to auto-detect trends in DRAM, flash, and user-configured capacity configurations using PowerMax field data.
- Employed Python libraries such as matplotlib and seaborn to create intuitive visualizations, aiding the team in understanding complex datasets.
- Worked in a multidisciplinary team setting to analyze and deliver data-driven insights, contributing to a potential resizing of PowerMax

New York Institute of Technology

New York, NY

Peer Mentor & Tutor

05/2022 - Present

- Leveraged mentoring data trends to develop techniques in mentoring 50 students, optimizing their use of campus resources and understanding of policies.
- Boosted student performance by 19% through targeted tutoring in Programming, Math, and Chemistry
- Managed and analyzed confidential student data, from mentorship sessions and social events, leading to a data-driven decision to revamp the mentorship program.

ACTIVITIES AND LEADERSHIP

National Society of Black Engineers (NSBE)

New York, NY

Vice President/Marketing Chair

09/2022 – Present

- Collaborated with NSBE Columbia and campus clubs to host two monthly events, with a 30-attendee average, such as a hackathon, networking events, and workshops.
- Worked in a team, in conjunction with the Engineering department to allow for a group of 23 students to attend the NSBE National Convention.

PROJECTS

Health Boost Fitness App

02/2023 - 05/2023

- Designed the front end of a mobile app for a personalized nutrition and workout experience through customized plans.
- Implemented a secure backend using SQL database to ensure data privacy and seamless integration with fitness trackers.
- Worked in a team to conduct rigorous testing and debugging to ensure optimal performance and user experience.

CPU Scheduling Project

03/2023 - 05/2023

- Implemented efficient data structures and algorithms to handle task scheduling and time quantum management within the Round Robin(RR) simulation program.
- Documented the design and implementation process, detailing the program's explanation and functionality, for future reference.
- Spearheaded the project's presentation phase, communicating the pros and limitations of the RR algorithm in real-world scenarios.

Library Database

09/2022 - 12/2022

- Implemented a robust data model to organize and store library data, including book and borrower details, ensuring an accurate and efficient data management system.
- Collaborated with librarians and students to gather insights and customize the database to meet specific library needs.
- Assisted in implementing a user-friendly front-end design to filter books based on title, author, ISBN, and availability status.

TECHNICAL SKILLS

Programming Languages & Software - SQL, Python, Scikit-learn, KQL, Java, MS Access, MS Excel, HTML, R, MS Azure.

Systems - Ubuntu, Windows

Certifications - Google Cloud Platform Fundamentals for AWS Professionals (Coursera), IC3 Digital Literacy Certification (Certiport)