Desmond Bush

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Technical Skills

Languages: Python, JavaScript, C++, Java, SQL, HTML/CSS
Frameworks & Libraries: React.js, Express.js, Node.js, Pandas, NumPy, TensorFlow, FastAPI
Developer Tools: Linux, Azure, Jira, MongoDB, PostgreSQL, Docker, CI/CD, Agile, Git, Apache Kafka, Oracle

Experience

JPMorgan Chase & Co.   August 2023 - Present
Software Engineer   New York, NY
- Developed, tested, and deploy applications for high frequency trading monitoring and ensuring minimal latency
- Automated outage scenario handling with custom scripts, cutting execution time by 60% for our engineers
- Designed scalable applications that monitor server and network health to ensure trading traffic succeeds
- Integrated existing Flask programs from across 3 continents into our North American application version
- Optimized backend process for saving disk space and RAM usage, saving maintenance costs by 10%

JPMorgan Chase & Co.   June 2022 - August 2022
Software Engineer Intern   Plano, TX
- Utilized Apache Kafka to better store and manage events and data from several thousands of phone calls
- Administered stored procedures in Oracle SQL Developer databases for use in backend development
- Renovated legacy code for future utility in making Java based onboarding applications
- Participated in documentation and system design for future use for engineers
- Collaborated with senior developers in creating efficient and scalable data storage solutions

University of Houston   January 2020 - November 2020
Undergraduate Researcher   Houston, TX
- Gathered and organized data concerning the propensity for success Black male students had in engineering
- Applied statistical analysis methods to data for creating visualizations, and for making algorithms
- Created graphs to display data and help with creating research papers

Projects & Extracurriculars

Finance Chair [NSBE]   June 2021 - May 2022
- Coordinated our chapters finance committee, leading to new fundraising initiatives
- Directed numerous workshops and volunteer initiatives that benefited the student body and the community
- Raised around $500 in additional funds from fundraising, which helped to fund our organizations goals
- Won 1st place in the NSBE 2021 Fall Regional Hackathon

Rewards System App [Chewy Hackathon]   January 2022
- Created an app using android studio and back4app to analyze user purchases and add reward points on purchases for an in-app marketplace
- Designed reusable code for future app scalability, and provided UI mockups as examples
- Won 1st place in the Chewy Hackathon 2022 against 9 other competitors

Education

University of Houston   June 2023
B.S. Computer Science   Houston, TX