

Malcolm Johnson

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GitHub: <https://github.com/MXHJohn314>

Work Experience

Amazon Robotics, Software Dev Engineer 1 (June 2022 - May 2024)

- implemented an on-demand, wireless test automation framework, capable of running 144 tests daily, saving hundreds of developer hours per week
- trained and supervised a Co-Op to contribute to the in-house database structure, enabling the system to make four new REST calls to change device shadow state
- consistently responded to on-call duties, preventing 8 high-severity issues from occurring or escalating up the chain of command over the course of a year

Arrow Electronics, Big Data Engineer (January 2022 - June 2022)

- worked in automation using Selenium to construct data, reducing time complexity in element search time to linear from $O(n^2)$
- created and maintained scripts for automated data movement between machines in a Hadoop cluster, preventing data loss of over 100,000 items on the primary node
- developed on-boarding and SOP documents to expedite the ramp-up for new data engineers, reducing computer setup time to less than one day of work

MSU Denver, STEM Learning Assistant (June 2020 - December 2021)

- collaborated with professors to ensure student success in Computer Science courses
- over 95% of students reported that the assistance was beneficial to their performance in the class

Education

- Bachelors of Science in Computer Science, May 2022
- Minor of Mathematics, May 2022

Other Titles and Accomplishments

- MSU Denver Association of Computing Machinery Chapter Vice President
- MSU Denver Advisory Council of the Computer Science Department President

Programming Languages:

Bash, C#, Java, Kotlin, SQL, Python, Rust, Scala

Frameworks:

Agile, Android, AWS, CI/CD, Gradle, MongoDB, MQTT