

Asma Afrin Hassan

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TECHNICAL SKILLS

LANGUAGES

- Perl, Shell Scripting, HTML, JavaScript, Java, C, SQL

TESTING

- Unit Testing, System Verification Testing, Regression Testing, Functional Testing

OPERATING SYSTEMS

- Linux, AIX, Windows, MacOS

EDUCATION

BACHELOR OF ENGINEERING, SOFTWARE ENGINEERING

EXPECTED SUMMER 2019

Lassonde School of Engineering
York University, Toronto, ON

WORK EXPERIENCE

DB2 SOFTWARE INNOVATOR INTERN

MAY 2017 – AUGUST 2018

IBM HYBRID CLOUD, IBM CANADA LIMITED, MARKHAM, ON

- Worked in a team to perform system verification tests on Db2 to ensure high quality of product, while meeting deadlines consistently
- Developed scripts using Perl and Shell scripting language to automate system verification test scenarios to increase efficiency and test coverage
- Worked with a colleague to develop a dynamic website to display test run reports, providing management a better idea on the progress of testing and product quality
- Investigated and solved issues related to machines and server systems
- Investigated and reported bugs by collecting sufficient information that helped debug the issue
- Communicated verbally and in writing to explain the potential issues encountered, while assisting the developers to comprehend the origin of the issue
- Trained new interns on performing diligent testing and troubleshooting server system issues

PROJECT

DB2 SVT DASHBOARD

WINTER 2018

- Worked in a team of two members to develop a dashboard for Db2 SVT team at IBM which tracks and displays test progress and product quality
- Developed scripts in Perl to extract result data from files at the end of test runs
- The script also collected information of the machines that were used for the tests
- Used Perl and SQL to store and retrieve the data in Db2
- HTML, CSS, JavaScript and AngularJS were used for the front-end development to display the run reports on each version of Db2
- An Agile approach was used to develop the dashboard

VOLUNTEER EXPERIENCE

IBM STEM4GIRLS CAMP COUNSELLOR IBM CANADA LIMITED, MARKHAM, ON

SUMMER 2018

- Led a group of five girls from sixth, seventh and eighth grade
- Showed outstanding leadership and excellent communication skills while guiding the group
- Helped conduct the various activities during the camp that involve science, technology, engineering and math
- Received admiration for the good work from the organizers