

SAAHIL JAFFER

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WORK EXPERIENCE

Quality Assurance Engineer - YuJa | Toronto, Ontario | September 2020 - December 2020

- Gained insight into the various aspects of the agile process and the effects of improper procedures
- Updated and maintained an existing codebase for automation testing in different environments
- Comprehensively tested applications with over 800 test cases to ensure lack of regressions
- Filed over 150 feature request and bug reports to improve software functionality
- Utilized a detail-oriented approach to identify software defects and gaps in testing methodologies

Game Developer - Treasured | Markham, Ontario | July 2018

- Created a virtual museum in Unity that allowed users to showcase memories of their loved ones
- Designed a working prototype to show how a virtual museum can be used to remember the past
- Worked in an agile development environment, utilizing Unity version control and C#
- Identified, tested, and implemented new controllers for customers to interact in virtual reality

PROJECTS

Route Selector

- Designed a system that allowed drivers to retrieve their personal route on Google Maps
- Used PHP and SQL to collect driver data and enable reconciliation and tracking of route assignments

The Print Company

- Saved 450 hours by automating creation of 40,000 product variations
- Automated daily inventory and product updates to ensure customers always had the latest information

Automatic Plant Watering System

- Identified a way to ensure that a plant always has the required resources
- Improved the chances for plants to survive using a Raspberry Pi, Pythom, and moisture sensors

LEADERSHIP EXPERIENCE

Pink Captain - University of Waterloo | Richmond Hill, Ontario | May 2020 - August 2020

- Lead a group of approximately 35 incoming first-year students
- Hosted biweekly meetings with interactive activities to welcome students to the Math Faculty

Elected Member - Jaffari Islamic Youth | Vaughan, Ontario | July 2018 - May 2020

- Organized and ran over 20 events with around 100 participants
- Recruited and managed a team of volunteers to coordinate event planning

FCL HackingSTEM Student Ambassdaor - Microsoft | Toronto, Ontario | March 2018

- Assisted young kids in building their own robotic finger models and measuring it's dexterity using Arduino
- Troubleshooted and fixed models that would not communicate with the robot's microcontroller

SKILLS

Languages

C, Java, Scheme, HTML, CSS, VBA, C++

Tools and Frameworks

Latex, Git, Linux, Raspberry Pi, Arduino, Unity, Selenium, Jira, SQL

EDUCATION

Honours Computer Science University of Waterloo | Waterloo, Ontario | 2019 - Present

Candidate for Bachelor of Computer Science