

SAAHIL JAFFER

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SKILLS

Languages

C, Java, Scheme, HTML, CSS, VBA, C++, Lua, Python, SQL, Bash

Tools and Technologies

Latex, Git, Linux, Raspberry Pi, Arduino, Unity, Selenium, Jira, Defold, SQLite, React, Bootstrap, API

WORK EXPERIENCE

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

- Improved the **quality assurance process** by identifying deficiencies in testing methodologies and processes
- Created **end-to-end** test cases for new features that impacted **20%** of users
- Updated and maintained an existing codebase for **automation testing** in different environments
- Enhanced software quality by comprehensively testing with over **1200** test cases and filing over **200** tickets
- Gained insight into the various aspects of the **agile process** and the effects of improper procedures

Game Developer – Treasured | Markham, Ontario | July 2018

- Created a virtual museum in **Unity** that allowed users to showcase memories of their loved ones
- Improved the collaboration in an agile development environment by utilising **Unity version control**
- Collaborated with team mates to successfully design a working **prototype** for investor presentation
- Implemented new ways for users to interact with the **virtual reality** environment using different controllers

PROJECTS

Route Selector

- Enabled food delivery through **120** optimal routes to over **5000** people in over **10** cities
- Designed a system using **PHP** and **SQL** that allowed drivers to retrieve their personal route on **Google Maps**

The Print Company

- Automated creation of **40,000** product variations and saved over **450** hours
- Implemented **automatic** daily inventory and pricing updates to ensure customers had the **latest** information

Raspberry Pi Prayer Clock

- Designed a system that would remind users to pray at **exact times** while accounting for variables like **DST**
- Utilized a **SQLite** database to store prayer times which enabled the clock to work **offline**

LEADERSHIP EXPERIENCE

Orientation Leader – University of Waterloo | Waterloo, Ontario | May 2020 – August 2020

- Hosted biweekly meetings with **interactive** activities to welcome students to the Math Faculty
- Lead a group of around **35** incoming first-year students and assisted in their transition to online learning

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

- Created and enforced **annual** and **event-specific** budgets to ensure **fiscal** responsibility
- Successfully organized **20+** community building events from start to finish with over **100** participants

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

- Assisted kids in building their own **robotic finger models** and measuring it's dexterity using **Arduino**
- Diagnosed and adjusted devices that had difficulty communicating with the **microcontroller**

EDUCATION

Honours Computer Science University of Waterloo | Waterloo, Ontario | 2019 – 2024 (Expected)

Candidate for Bachelor of Computer Science