

SAAHIL JAFFER

(647) 761-8415 | saahil.jaffere@uwaterloo.ca
github.com/saahiljaffer | saahiljaffer.com | linkedin.com/in/saahiljaffer

SKILLS

Languages

Javascript, C++, Python, C, Java, PHP, SQL, Dart, VBA, Scheme, Lua, Bash

Tools and Technologies

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

WORK EXPERIENCE

Quality Assurance Engineer - YuJa

September 2020 - December 2020

- Improved the **quality assurance process** by identifying deficiencies in testing methodologies and processes
- Created **end-to-end** test cases and identified design flaws in new features that impacted **20%** of users
- Updated and created new **automation tests** to improve test coverage 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

July 2018

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

PROJECTS

Movie Nominator

- Created a front-end web application in **React** to enable users to nominate movies for awards
- Utilized the Open Movie Database **API** to access a list of movies and used **Bootstrap** to improve the design

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**

Raspberry Pi Prayer Clock

- Designed a clock which reminds users of the exact time to pray while accounting for daylight savings time
- Utilized a **SQLite** database to store prayer times which enabled the clock to work **offline**

LEADERSHIP EXPERIENCE

Orientation Leader - University of Waterloo

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

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

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

September 2019 - April 2024 (Expected)

Candidate for Bachelor of Computer Science