# Saahil Jaffer

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## Work Experience

### Junior Game Developer
*Treasured, Markham, Ontario*
- Created a virtual museum in Unity that allowed users to showcase the legacy of their loved ones
- Designed a working prototype to show how museums can be used to retain people's legacies
- 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

## Skills

### Languages
C, Java, Scheme, HTML, CSS, VBA

### Tools and Frameworks
Latex, Github, Linux, Raspberry Pi, Arduino, Unity

## Projects

### Automatic Plant Watering System
*Quest Conference, Richmond Hill, Ontario*
- Identified a way to ensure that a plant always has the required resources
- Improved the chances for plants to survive using a Raspberry Pi and moisture sensors

### CD Collection Manager
*Richmond Hill, Ontario*
- Produced a data management system in Java to allow users to organize their music collection
- Increased efficiency by 80% for storing and accessing data using improved data structures

## Leadership Experience

### Assistant Treasurer
*Jaffari Islamic Youth, Vaughan, Ontario*
- Organized and ran multiple events with around 100 participants
- Optimized profits by creating efficient budgets in Excel and tracking revenue

### FCL HackingSTEM Student Ambassador
*Microsoft, Toronto, Ontario*
- Assisted young kids in building their own robotic finger models
- Demonstrated how to measure the dexterity of the robotic finger
- Troubleshooted and fixed models that would not communicate with the microcontroller

### Youth Leader
*Toastmasters International, Vaughan, Ontario*
- Participated in an eight-week long communication and leadership skill program
- Prepared and presented multiple speeches to a medium-size audience

## Education

### Candidate for Bachelor of Computer Science, Honours Computer Science
*University of Waterloo, Waterloo, Ontario*