ASIM **BHATIA**

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SKILLS

Languages: Java, JavaScript, HTML, CSS, C, C++, Visual Basic, jQuery

Technologies: Git, integration testing, unit testing, web design, SQL

PROJECTS

September 2019

Tangible – Ultrasonic Touch Screen Apparatus

- Designed an array of **ultrasonic sensors** which calibrate the user's position and register movements relative to a computer screen
- Programmed through **Arduino**
- Used **integration testing** on all components of the case
- Developed **five apps** with the prototype to demonstrate the device's functionality and practicality in daily life using **Java and Unity**

December 2019

Personal Website/Online Portfolio

- Created using **HTML, CSS, JavaScript and jQuery**
- Designed a personal logo through **Photoshop**

February 2019

Interactive Dodgeball Game – Dodgeball Madness

- Designed an interactive dodgeball game made from **Java** using **object-oriented programming**
- Implemented a variety of **classes** into the program
- Utilized **mouse and keyboard functionality**, and implemented **AI** for different levels of difficulty

EXPERIENCE

March 2019 – September 2019

Kumon North America, Inc. – Student Teaching Assistant

- Supervised students, responsible for marking regular examinations
- Developed leadership and collaborative skills

January 2017 – present

Guelph, Student Tutor – Mathematics and Computer Science

- Provided a personal tutoring service for students in Guelph
- Created personalized lesson plans for students

EDUCATION

University of Waterloo

- Candidate for Bachelor of Software Engineering

AWARDS

- President's Scholarship of Distinction
- Carl A. Pollock Engineering Scholarship
- Scholar award – given to the top three students of the year

VOLUNTEERING

- Conducted local Engineering Science Olympics Event
- Guelph Ismaili IVC – 10 years
- Local school math tutoring program

INTERESTS/HOBBIES

- Pure mathematics
- Designing graphics
- Play rep soccer for the city of Guelph (2010-2019)
- Travelling