

# Rohan Gupta

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## Education

### University of Waterloo Computer Engineering

B.A.Sc Engineering  
Class of 2021

### White Oaks Secondary School

Earned the **International Baccalaureate**  
(IB) Diploma

## Languages

**Proficient:** C++, HTML, CSS, Sass

**Working Knowledge:** Python, Java, Swift,  
JavaScript, Assembly, MATLAB

**Familiar:** C#, VHDL

## Software

**Frameworks:** jQuery, Bootstrap,  
Knockout.js, Materialize

**Libraries:** Pygame, Selenium, jMeter

**IDE:** Android Studio, Xcode, Visual Studio,  
Team Foundation Server, Unity, Eclipse

**Tools:** Git, Arduino, Leap Motion, FBGA  
Design, CAD Tools

**Architectures:** MVVM, MVC

**OS:** Android, iOS, Windows, Unix

## Volunteer

### Kumon (2013-2015)

Tutor & Marker

Tutored children in English and  
Mathematics, resulting in improved  
confidence and ability in these subjects.  
Maintained high energy pressure and busy  
work environment.

## Links



/rohang98



/in/rohang98/



http://rohang.me/

## Work Experience

### Cineplex Entertainment (2018)

Application Software Developer

- Participated in the development and maintenance of the Cineplex Store mobile applications (iOS and Android).
- Wrote high-quality and maintainable code using Swift for iOS and Java for Android applications.
- Completed tasks as fast and efficiently as possible to satisfy stakeholder's requests of quick deployments.

### Cineplex Entertainment (2017)

Software Developer

- Developed front-end of the Cineplex Store website redesign using HTML, CSS, Sass, and Javascript.
- Worked from wireframes and designs to create web pages to stakeholder's specifications.
- Increased revenue and web traffic by making the website more aesthetically-pleasing and accessible.

### Cineplex Entertainment (2017)

Quality Assurance Analyst

- Reviewed project requirements and created corresponding test plans and test cases.
- Performed manual testing of current Cineplex Store applications across a wide range of connected devices.
- Created automated test scripts for smoke and regression testing using Selenium and jMeter.

## Projects

### Surgeon's Helping Hand – C++, HTML (2018)

Won **Best Healthcare Hack at DeltaHacks**. Created robotic hand that mimics hand gestures recorded by a Leap Motion, then sends the data through the web, and onto an Arduino.

### HumIt – Java, Javascript (2017)

A windows application made at **HackTheNorth** that recognizes a song by a hum sung to Cortana. Fast Fourier Transform was used to convert frequencies into musical notes, which were compared to musical notes from actual songs in a database.

### Gesture-Controlled 2048 – Java (2017)

Android application made in Android Studio that refines raw sensors on cellphone to recognize hand gestures and creates a virtual object that reacts to this using pseudo physics and animations.

### Garbage Shooter – Python (2016)

Created a simple and addictive computer game that allowed users to aim their garbage into a garbage can until they missed, in which case, the score would be saved and ranked.