

# 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:** Java, Swift, Python,  
JavaScript, Assembly, MATLAB

**Familiar:** C#, VHDL

## Software

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

**Libraries:** Pygame, Selenium, jMeter

**IDE:** Android Studio, Xcode, Visual Studio,  
Team Services, 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 increased  
confidence and competence in these  
subjects. Maintained a high-quality of work  
in a busy work environment.

## Links



/rohang98



/in/rohang98/



http://rohang.me/

## Work Experience

### Cineplex Entertainment (2018)

Application Software Developer

- Worked in team of **4 developers** on **2 production-ready mobile applications** for Cineplex Store.
- Wrote high-quality, maintainable code using Swift for iOS and Java for Android applications.
- Completed tasks with high efficiency to improve sprint burndown numbers, such as velocity.
- Added CI to apps for test running/automating builds.
- Worked closely with a back-end developer to design and refine RESTful API - used by the entire Store team.

### Cineplex Entertainment (2017)

Software Developer

- Promoted from the position of Quality Assurance Analyst after **3 weeks** of employment.
- Developed front-end of the Cineplex Store website redesign using HTML, CSS, Sass, and Javascript.
- Increased store revenue and web traffic by creating an aesthetically-pleasing and accessible website with around **300000 unique visitors** per month.
- Utilized wireframes/designs and stakeholder input.

## Projects

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

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

### HumIt – Java, Javascript (2017)

Developed a windows application at **HackTheNorth**. Cortana was used to recognize a hummed tune. Fast Fourier Transform converted frequencies into musical notes, which were then compared to musical notes from songs stored in a database.

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

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

### Computer Simulator – C++ (2016)

Created a program that opens and reads files containing assembly instructions, parses instructions to provides statistics, and creates a priority queue to manage simulated events.

### Garbage Shooter – Python (2016)

Created a simple addictive computer game that allows users to aim their garbage into a garbage can until they miss, in which case, the score is saved and ranked.