

# Ibrahim Irfan

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## EDUCATION

### Bachelor's of Software Engineering

- 98% entrance average.

University of Waterloo

2017 - 2022

## SKILLS

**Languages:** C, Swift 3, PHP 7, SQL, Python, JavaScript, HTML, CSS

**Frameworks:** Node.js, Express.js, jQuery, AJAX, MySQL, MongoDB

**Other Tools:** Linux, Git, Object-Oriented Design, APIs, Xcode, Vim

## WORK EXPERIENCE

### Software Developer

- Led the development of an HR automation system which **drastically reduced redundancy** in the hiring process for **one of the fastest growing company's in Canada**.
- Significantly increased company efficiency through creating an accurate resume parser and automating emails and calendar events with Google Apps Script.

Geotab

Jun 2017 - Aug 2017

### Web Developer

[ibrahimirfan.com/?project=11#modal](http://ibrahimirfan.com/?project=11#modal)

- Directly coordinated with clients to develop websites for their small businesses.
- Created an interactive website for ITEE Group Canada to streamline their client-based service.

Freelance

May 2017 - Present

### Software Developer

[ibrahimirfan.com/?project=3#modal](http://ibrahimirfan.com/?project=3#modal)

- Worked with a team to develop an Exam Network web application **for over 20,000 students** at the University of Guelph.
- Used JavaScript to integrate the login system with Facebook Login API along with viewing, uploading, and handling of course files.

Viceroy Media, Inc.

Jun 2016 - Feb 2017

## PROJECTS

### Self-Aiming Automatic Cannon

[ibrahimirfan.com/?project=5#modal](http://ibrahimirfan.com/?project=5#modal)

- Developed a self-aiming cannon that **automatically aims and fires** a projectile towards a face in view, built using Python, Go, and a RaspberryPi.

Personal Project

Nov 2017

### Exam Parser & Web Application

[ibrahimirfan.com/?project=2#modal](http://ibrahimirfan.com/?project=2#modal)

- Successfully handled **over 200 user accounts** using PHP and MySQL, implementing industry standard database security measures (hashing, salting, etc).
- Used Node.js to **accurately parse PDF practice exams** and output self-marking online forms to a web application, including a login system with admin access.

IRHS DECA

Jun - Sep 2016

### 2-Player Chess Game

[ibrahimirfan.com/?project=9#modal](http://ibrahimirfan.com/?project=9#modal)

- Created a functional 2D chess game using Turing, including move suggestions, check detection, and score count.

Personal Project

Jun 2016

## ACHIEVEMENTS

### 3rd Overall & Best Hardware

[ibrahimirfan.com/?project=0#modal](http://ibrahimirfan.com/?project=0#modal)

- Engineered a device which helps blind people read pages of text by **speaking out words** upon a user **hovering their finger over the page** using OCR and LeapMotion recognition.

MasseyHacks III

Apr 2017

### Loran Scholarship Semi-Finalist

- Recognized in the top 8% of applicants for Canada's most prestigious scholarship.

Loran Foundation

Nov 2016