# Ibrahim Irfan

✉ 1ibrahimirfan@gmail.com
in/ibrahimirfan
ibrahimirfan.com
ibrahimirfan

## EDUCATION

**Bachelor's of Software Engineering**                                        University of Waterloo
                                                                              2017 - 2022
- 3.98/4.0 GPA (93% average) with President's Scholarship and SE Entrance Scholarship.

## SKILLS

**Languages:**     JavaScript, Python, PHP, SQL, HTML/CSS, C/C++, Swift 3
**Frameworks:**    Node.js, jQuery, AJAX, MySQL, MongoDB
**Other:**         Linux, Git, Object-Oriented Design, APIs, Xcode, Vim

## WORK EXPERIENCE

**Software Developer**                                                        Geotab
                                                                             Jun 2017 - Aug 2017
- Led the development of an HR automation system which drastically reduced redundancy in the hiring process for one of the fastest growing companies in Canada.
- Significantly increased company efficiency through creating an accurate resume parser and automating emails and calendar events with **Google Apps Script.**

**Web Developer**                          ibrahimirfan.com/?p=11#modal       Freelance
                                                                             May 2017 - Present
- Directly coordinate with clients to develop websites for their small businesses.
- Created a website for a consulting firm, ITEE Group Canada, to streamline their client-based service using **HTML, CSS, JS**, and **PHP**.

**Software Developer**                     ibrahimirfan.com/?p=3#modal        Viceroy Media, Inc.
                                                                             Jun 2016 - Feb 2017
- Collaborated with a team to develop an Exam Network web application for **over 20,000 students** at the University of Guelph.
- Implemented a file system for course materials using **JavaScript**, including viewing, uploading, and downloading files.

## PROJECTS

**Self-Aiming Automatic Cannon**           ibrahimirfan.com/?p=5#modal        Personal Project
                                                                             Nov 2017
- Automatically fires a projectile towards a face in view, built using **Python** and a **Raspberry Pi**.

**Conference Registration System**         ibrahimirfan.com/?p=4#modal        Bridge Day
                                                                             Apr 2017
- Established a secure registration system for **over 300 students** using **PHP** and **MySQL**.
- Implemented a nametag generator with **JavaScript** and a live workshop display with **PHP**, indicating spaces currently available in each workshop.

**Exam Parser & Web Application**          ibrahimirfan.com/?p=2#modal        IRHS DECA
                                                                             Jun - Sep 2016
- Securely handled **over 200 user accounts** using **PHP** and **MySQL**, implementing industry standard database security measures (hashing, salting, etc).
- Developed a **Node.js** script to accurately parse PDF practice exams and output self-marking online forms to a web application, including a login system with admin access.

## ACHIEVEMENTS

**3rd Overall & Best Hardware**            ibrahimirfan.com/?p=0#modal        MasseyHacks III
                                                                             Apr 2017
- Engineered a device for the blind which speaks out the word that a user hovers their finger over on a physical page of text, using a **Raspberry Pi**, **Node.js, MongoDB,** and **Python.**

**Loran Scholarship Semi-Finalist**                                          Loran Foundation
                                                                             Nov 2016
- Recognized in the **top 8%** of applicants for Canada's most prestigious scholarship.