Ibrahim Irfan

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EDUCATION

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

SKILLS

Languages: C/C++, Swift 3, PHP, SQL, Python, JavaScript, HTML, CSS
Frameworks: Node.js, jQuery, AJAX, MySQL, MongoDB
Other Tools: 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 company's 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/?project=11#modal   **Freelance**
May 2017 - Present
- Directly coordinated with clients to develop websites for their small businesses.
- Created an interactive website for a consulting firm, ITEE Group Canada, to **streamline their client-based service** using HTML, CSS, JS, and PHP.

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

PROJECTS

Self-Aiming Automatic Cannon   ibrahimirfan.com/?project=5#modal   **Personal Project**
Nov 2017
- Developed a self-aiming cannon that **automatically aims and fires** a projectile towards a face in view, built using Python, Go, and a RaspberryPi.

Exam Parser & Web Application   ibrahimirfan.com/?project=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).
- 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.

2-Player Chess Game   ibrahimirfan.com/?project=9#modal   **Personal Project**
Jun 2016
- Created a functional 2D chess game using Turing, including move suggestions, check detection, and score count.

ACHIEVEMENTS

3rd Overall & Best Hardware   ibrahimirfan.com/?project=0#modal   **MasseyHacks III**
Apr 2017
- 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.

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