

Ibrahim Irfan

ibrahimirfan.com • 1ibrahimirfan@gmail.com • (905) 483-7691

EDUCATION

Bachelor's of Software Engineering

- 3.98/4.0 GPA (93% average) with President's Scholarship and SE Entrance Scholarship.

University of Waterloo

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

- 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

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- 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.

Freelance

May 2017 - Present

Software Developer

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- 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**.

Viceroy Media, Inc.

Jun 2016 - Feb 2017

PROJECTS

Self-Aiming Automatic Cannon

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- 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

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- 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.

IRHS DECA

Jun - Sep 2016

2-Player Chess Game

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- 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

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- 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