

Ibrahim Irfan

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EDUCATION

Bachelor's of Software Engineering

- 3.98 GPA (93% average) and top decile with President's Scholarship and SE Scholarship.

University of Waterloo

2017 - 2022

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

- 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**.

Geotab

Jun 2017 - Aug 2017

Web Developer

- 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**.

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Freelance

May 2017 - Present

Software Developer

- 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.

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Viceroy Media, Inc.

Jun 2016 - Feb 2017

PROJECTS

Self-Aiming Automatic Cannon

- Automatically fires a projectile towards a face in view, built using **Python** and a **Raspberry Pi**.

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Personal Project

Nov 2017

Conference Registration System

- 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.

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Bridge Day

Apr 2017

Exam Parser & Web Application

- 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.

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IRHS DECA

Jun - Sep 2016

ACHIEVEMENTS

3rd Overall & Best Hardware

- 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**.

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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