Ibrahim Irfan

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EDUCATION

Bachelor's of Software Engineering
University of Waterloo
Sep 2017 - Present

- Expected Graduation - 2022. 98% average in graduating year of high school.

SKILLS

Languages: C, Swift 3, PHP 7, SQL, Python, JavaScript, HTML, CSS
Frameworks: nodeJS, Express, jQuery, AJAX, MySQL, MongoDB
Other Tools: Linux Environment, Git, Object-Oriented Design, APIs, Xcode, Vim

WORK EXPERIENCE

Software Developer
Geotab
Jun 2017 - Aug 2017

- Led the development of an HR automation system using Google Apps Script, in use today.
- Significantly increased team efficiency by automating redundant tasks such as resume identification/parsing, emails, and scheduling calendar events.

Web Developer
Freelance
May 2017 - Present

- Directly coordinate with clients to develop websites and designs for their small businesses.
- Projects include using JavaScript to create a dynamic website for ITEE Group Canada.

Software Developer
Viceroy Media, Inc.
Jun 2016 - Feb 2017

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

PROJECTS

Self-Aiming Automatic Cannon
Automatic Cannon
Nov 2017

- Self-aiming cannon that automatically aims and fires a projectile towards a face in view, built using Python, Go, and a RaspberryPi.
- Includes remote control with keyboard input through a socket connection.

SpaceX Hyperloop Competition - Waterloop
Waterloop
Sep 2017 - Present

- Embedded Systems Developer for Waterloo's Hyperloop Competition team.
- Use C/C++ to develop code for the pod microprocessors.
- Work to implement time and space efficient algorithms for best performance.

Exam Parser & Web Application
IRHS DECA
Jun - Sep 2016

- Used nodeJS to parse PDF practice exams for a school competition and output self-marking online forms to a web application, incorporating a login system with admin access.
- Practiced industry standard database security measures handling 200+ user accounts.

ACHIEVEMENTS

3rd Overall, Best Hardware, & Best 3D Printing
MasseyHacks III
Apr 2017

- Created a device to help blind people read pages of text by reading 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.