

# Yixuan Wang

2B Software Engineer

514-836-4794

wangyixuan98@hotmail.com

<https://github.com/yixuanwang>

[yixuanwang.github.io](https://yixuanwang.github.io)

## WORK EXPERIENCE

Jan-Apr  
2018

### Software Developer

C++, Visual Studio

Pratt & Whitney Canada

Wrote softwares from scratch such as DMM and DCU emulators  
Designed an improved data structure for ~100k data  
Optimized application run-time by 83% (~12sec to ~2sec) by using enhanced algorithms and data structures

May-Aug  
2017

### Front-End Developer

SQL, PHP, ReactJs, SASS

OICR

Led the migration from Drupal to Jekyll of over 25 websites  
Wrote several feature such as auto-sorting, auto-resizing, multi-level expansion sidebar and a PHP data extractor  
Architected and implemented a brand new Jekyll baseline skeleton optimized for the company use

Jan-Apr  
2016

### Web Developer

Bower, Compass, JQuery

Marianopolis Robotic Club

(1<sup>st</sup> Place Winner) Website component for CRC competition  
Designed a fully responsive website of 10+ pages on the theme of Mario using Photoshop, HTML, CSS, JS  
Implemented powerful jQuery page transitions and SASS element animations

## PROJECTS

Nov  
2016

### Beat It!

C/C++, Tiva Launchpad

A reaction minigame developed for microcontrollers with a pixel based custom game UI

Implemented usage of Orbit Booster Pack (OLED display, accelerometer, and potentiometer) for in game features

Nov  
2016

### SHEalth

Node.js, MongoDB, Heroku, Twilio API

(Hackathon Winner) A healthcare application accessible by phone call and SMS, in addition of having a Web client

Set up the Twilio's API on top of a Node.js platform and a MongoDB database, deployed on Heroku  
Implemented features such as the Text to Speech and an automatic message bot

Aug  
2016

### OneTreePlanted

Ruby on Rails, Facebook API

A web application that encourages the plantation of trees

Designed a website entirely from scratch in 36 hours using Ruby on Rails web framework  
Provided a user authentication using the Facebook API

## SKILLS

### Languages

C/C++, JavaScript, PHP, Python, Assembly, Bash

### Web Dev

NodeJs, ReactJs, HTML/CSS, Bootstrap, Drupal, Jekyll, SASS, Angular, JQuery

### Technologies/Tools

Git, Heroku, Linux, Visual Studio, Jira, Vagrant, Unreal Engine 4, Unity, Photoshop

### Communication

English



French



Chinese (Mandarin)



## ACHIEVEMENTS

2016

### Impact Prize

Winner of BreakInequality Hackathon

2016

### Best CEGEP Hack

Winner of Robohack Hackathon

## EDUCATION

2016 – present

### Bachelor of Software Engineering

University of Waterloo,  
Expected graduation in 2021

## INTERESTS

Piano, Badminton, Skating, E-sport, Board game