

# Yifan Ma

2A Software Engineering

University of Waterloo

20618912

yifan.ma@uwaterloo.ca

6479707809

## Summary of Qualifications

loves programming

familiar with a variety of  
programming languages, styles,  
and concepts

experience with working in a  
software development team

quick and open-minded learner

resourceful problem-solver with  
an analytical mindset

organized and communicates  
well

flexible and adaptable to new  
situations

thank you for considering me,  
but please note I am only  
available for a 4-month period

## Work Experience

### Front-end Developer, MetalTrading Inc., Remote

May-Aug '16

- built a sophisticated web trading platform with Angular2 and socket.io
- used event emitters, promises, observables, injectables etc.
- did a little work in SQL Server and node.js
- worked closely with a team to meet client's requirements and deadlines

### Computer Programmer, AAFC, Harrow, Ontario

May-Aug '16

- created a data-processing VB application that also automated Excel
- updated the CANB model which was written in Fortran

### Applied Innovation Intern, RBC, Toronto, Ontario

Aug '14

- maintained, showcased, and researched potentially useful technologies

## Other Projects

### Personal Website

May-Jun '16

- yifanm.github.io (not meant to be professional)
- independently written from scratch using HTML, CSS, JS/JQuery
- my playground for web technologies such as animations, web APIs (such as embedded viewers), modals, font-face etc.

### Rainmeter

Jun '16

- created and styled some dynamic desktop components

### Doodlejump

Oct '15

- in a C-like language on a Tiva Launchpad using its bitmap OLED

### Employee Database

Apr '15

- pseudo-database in Java to practise hash tables

## Interests

### Web Development (in progress)

Ongoing

- a more professional personal website using Bootstrap
- a small single-player game using HTML's canvas

### Android Application Development (in progress)

Ongoing

- an upgraded version of Pong

### HackerRank

Ongoing

- regular algorithmic programming practice (I use Python)

### Programming

Ongoing

- on top of other languages here, also used C and C++ before
- also familiar with styles/concepts such as dynamic programming, object-oriented programming, recursion, various data structures etc.

### Woodlands Varsity Badminton Team Player

'14-'15

### Woodlands Computer Science Club

'12-'15

## Education

### Candidate for Bachelor of Software Engineering, UW

Ongoing

- term averages of 85+%

### Ontario Secondary School Diploma, The Woodlands School

'15

## Awards

### Honours Standings in Math/Programming Contests

Varied

- such as CCC, ECOO, Pascal, Fermat

### COIN 4th Place, CPA Ontario

'15

### Computer Science/Canadian Law Subject Awards, The Woodlands School

'14

### 3rd Place DECA ICDC, DECA International

'14