

Yifan Ma

2B Software Engineering

University of Waterloo

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 yifanma.me  Yifan Ma

Summary of Qualifications

loves programming

quick and open-minded learner

resourceful problem-solver

organized and communicates
well

adaptable to new situations

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

Work Experience

**Full Stack Web Developer, Imagine Communications,
Waterloo, Ontario**

Jan-Apr '17

- assisted in the web UI for a commercial content management software
- worked closely with other developers and QA in a full Agile team
- used AngularJS and LESS to add features and fix bugs
- wrote advanced code in many areas, such as video playback
- added, designed, and updated unit tests

Front-end Developer, MetalTrading Inc., Remote

May-Jul '16

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

Other Projects

Personal Website (yifanma.me)

Apr '17

- written in Angular 2; uses animate.css, Bootstrap, and Font Awesome
- displays my past programming work and relevant personal information
- contains demos as well as a more extensive list of projects

Gomoku

Feb-Mar '17

- sleek remake of the board game using ReactJS
- game board contains multiple layers to achieve all of its functionalities
- detects illegal moves recursively and notifies the players through a toast

Battle Pong

Mar-Apr '17

- Android application created using Android Studio, Java, and XML
- local two-player game based on pong with additional exciting features
- online mode and AI in progress

Adoorable

Apr '17

- single-player game using HTML5 Canvas, jQuery, and plain Javascript
- contains features such as collisions, movement, and animation frames

Alternative Website (yifanm.github.io)

May-Sep '16

- written from scratch using HTML, CSS, JS/jQuery
- where I try new web technologies such as animations, web APIs, lightboxes, and modals

Interests

Programming

Ongoing

- used C and C++ in university
- familiar with concepts such as dynamic programming, object-oriented programming, recursion, various data structures etc.

HackerRank (and similar websites)

Ongoing

- regular algorithmic programming practice (I use Python)

Woodlands Varsity Badminton Team Player

'14-'15

RCM Celebration Series Graduate

'14

- for piano; I play just for fun now

Education

Candidate for Bachelor of Software Engineering, UW

Ongoing

- term averages of 80+%

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