

Dear Recruiter:

I am writing to express my interest in your posting for a co-op student, as well as to explain how my skills might be of use. Please note I am only available for a 4-month position.

A position in this line of work requires certain skills which I believe I possess. I enjoy learning new things and solving problems in a comprehensive manner. Furthermore, I understand the importance of communication in a team and how to work together to achieve goals. I am flexible and I adapt to new situations quickly and effectively. Finally, I am highly organized and I approach challenges with a systematic calmness and preciseness, so as to minimize mistakes.

In addition, I have a strong software-related background. I have been coding for five years in various applications and independent/team settings while always reflecting on the efficiency, clarity, and design of the programs. I am experienced in object-oriented, procedural, and modular programming, as well as scripting, having used languages such as C++, Java, VB, and Python. I am familiar with many software concepts such as algorithms, dynamic programming, and recursion. I am also familiar with many data structures, such as trees, hash tables, and graphs.

Although I've programmed in a variety of applications, my specialty is a front-end web developer. I built a website from scratch with the standard HTML, CSS, JS/JQuery combination and used it to test out web technologies such as animations, web APIs (eg Google's embedded book viewer), and modals. I also joined a start-up as their front-end developer and worked with the latest frameworks and technologies to produce a commercial-grade website. I used Angular2 and learnt about many modern techniques such as promises, observables, and injectables, as well as tools such as node.js, socket.io, and SQL.

Thank you for your time,

Yifan Ma

Summary of Qualifications

familiar with a strong variety of programming languages and styles
experience with working in a software development team
quick and open-minded learner
resourceful problem-solver with an analytical mindset
organized and communicates well

Relevant Experience

Front-end Developer , MetalTrading Inc., Remote	May-Aug 2016
built a sophisticated web app with Angular2 and socket.io	
Computer Programmer , AAFC, Harrow, Ontario	May-Aug 2016
created a VB program to automate Excel and also updated a scientific model	
Applied Innovation Intern , RBC, Toronto, Ontario	Aug 2014
maintained, showcased, and researched potentially useful technologies	

Other Projects

Personal Website	2016-Present
yifanm.github.io (meant to be a playground, not a professional website)	
Rainmeter	2016
created and styled desktop components for time, date, calendar, weather, and music	
Doodlejump	2015
on a Tiva Launchpad using the bitmap OLED	
Employee Database	2014
pseudo-database in Java to practise hash tables	

Education

Candidate for Bachelor of Software Engineering , University of Waterloo, Waterloo, ON	Sep 2015-Present
term averages of 85+%	
Ontario Secondary School Diploma , The Woodlands School, Mississauga, ON	Sep 2011-Jun 2015

Interests

Android Application Development	2016-Present
in early stages; planning to be a small game	
HackerRank	2015-Present
frequent practice for algorithms and problem solving	
Woodlands Varsity Badminton Team Player	2014-15
Woodlands Computer Science Club	2012-15

Awards

Honours Standings in Math/Programming Contests	Varied
such as CCC, ECOO, Pascal, Fermat	
COIN 4th Place , CPA Ontario	2015
Computer Science and Canadian Law Subject Awards , The Woodlands School	2014
3rd Place DECA ICDC , DECA International	2014