YifanMa

2A | Software Engineering

University of Waterloo | 20618912

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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.

I feel that it is a risk to offer a position to an applicant. However, I would be grateful for the chance to learn and work together.

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

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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 practise for algorithms and problem solving
Woodlands Varsity Badminton Team Player — **2014-15**
Woodlands Computer Science Club — **2012-15**

Awards

Honour 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**