

LynneMeng

3A Software Engineering

Education

University of Waterloo
Candidate for Bachelor of
Software Engineering
Expected 12/17

Contact

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Programming Skills

Basic OO:
C/C++, Java
Frontend:
Ruby on Rails
JavaScript
CSS3 & HTML5
Backend:
Python, C#, SQL, PHP
Academic:
♥ L^AT_EX, Matlab

Operating Systems

Linux, Windows, MacOS

Softwares

Git, SVN
Visual studio, Eclipse
Vim, Sublime
WebStorm
Photoshop, Flash

Skill summary

- Proficient in learning new materials, demonstrated by self-study of Java, PHP and HTML
- Outstanding problem solving and creative skills, illustrated by performance in various contests
- Eager to learn and help with open mind, developed by previous work experience
- Self-motivated, effective both independently and as group member, proven by volunteer experience

Experience

- 09/15 - NOW **Undergraduate Research Assistantship** `D3.js` University of Waterloo, Waterloo
- Data visualization with `D3.js`
- 05/15 - 08/15 **Software Developer** `Ruby on Rails`, `Backbone&Marionette.js`, `HAML` 500px, Toronto
- Assisted with photo pages development and A/B testing of 500px which serves over 10M users
 - Optimized 500px purchase panel tool and increased sales productivity by 40%
 - Integrated new Go resizer into 500px's Web Applications and reduced image processing time by 30%
 - Implemented media XML feed for Chromecast with 500px API
- 01/14 - 05/14 **JavaScript Software Developer** `JavaScript`, `C#`, `AWS` IMS, Mississauga
- Extended test infrastructure and reduced 30% of the original testing time by parallelization
 - Analyzed test modules and restructure test architecture to reduce maintenance time by 20%
 - Optimized use of Amazon virtual machine to reduce company expenses
 - Implemented Bentley-Ottmann Algorithm to calculate area of self-intersecting polygon
- 05/13 - 09/13 **Sustaining Engineering Intern** `Java`, `XML`, `SQL`, `TestNG` Teradata Corporation, Mississauga
- Maintained test scripts to test DCM application functionality
 - Assisted with test scripts using automated test tools
 - Developed a wiki page for automation
 - Documented work progress on a bimonthly basis
- 09/12 - 12/12 **MathSoc Website Board Members** `HTML5&CSS3`, `JavaScript` University of Waterloo, Waterloo
- Collaborated with other members regarding MathSoc's website design

Project

- 09/14 **Weather app for pebble watch** `Pebble.js` Hack the north, Waterloo
- Used Pebble's accelerometer and Accel API
 - Retrieved weather data with UWaterloo Open Data API
- 09/14 - 11/14 **Finance Robot project** `C++`, `Python` University of Waterloo, Waterloo
- Worked as designer in team environment
 - Can fetch stock price data from Google Finance and draw stock price's chart on paper

Award

- 09/12 **President's Scholarship** University of Waterloo
- 09/12 **International Student Entrance Scholarship** University of Waterloo
- 09/12 **Euclid Mathematics Contest (Top 2%)** University of Waterloo