

# Lynne Meng

3A Software Engineering

## Contact Skill summary

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- 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

## Programming Languages Experience

### Basic OO:

C, C++, Java

### Frontend:

CSS3 &

HTML5, JavaScript

### Backend:

Python, C#, SQL, PHP

### Academic:

♥ L<sup>A</sup>T<sub>E</sub>X, Matlab

Jan. 2014 - May. 2014

### JavaScript Software Developer

IMS, Mississauga

- Extended test infrastructure and reduced 30% of the original testing time by parallelization (JavaScript, C#)
- Analyzed test modules and restructure test architecture to reduce maintenance time
- Optimized use of Amazon virtual machine to reduce company expenses (AWS)
- Implemented Bentley-Ottmann Algorithm to calculate area of self-intersecting polygon (JavaScript)

## Operating Systems

Linux, Windows

May. 2013 - Sep. 2013

### Sustaining Engineering Intern

Teradata Corporation, Mississauga

- Maintained test scripts to test DCM application functionality (Java, SQL)
- Assisted with test scripts using automated test tools (XML, TestNG)
- Developed a wiki page for automation (HTML)
- Documented work progress on a bimonthly basis

## Softwares

Git, SVN

Visual studio, Eclipse

Vim, Sublime

WebStorm

Photoshop, Flash

Sep. 2012 - Dec. 2012

### MathSoc Website Board Members

University of Waterloo, Waterloo

- Using Codecademy for exercises
- Used HTML and JavaScript to design website
- Collaborated with other members regarding MathSoc's website design

Feb. 2012 - Apr. 2012

### English TA

ShiTong Education Institution, Tianjin

- Taught English courses
- Designed flyers using Adobe Photoshop

2009 - 2012

### Vice-president in Volunteers Association

No.42 High School, Tianjin

- Helped to maintain database for Print Room
- Designed school magazines using Photoshop and Microsoft Office
- Organized series of volunteer activities, such as the campus charity sale

## Project

Sep. 2014

### Weather app for pebble watch

"Hack the north" hackthon, Waterloo

- Built with Pebble.js
- Used Pebble's accelerometer and Accel API
- Retrieved weather data with UWaterloo Open Data API

Sep. 2014 - Nov. 2014

### Finance Robot project

University of Waterloo, Waterloo

- Worked as designer in team environment
- Built in Python and C++
- Can fetch stock price data from Google Finance and draw stock price's chart on paper

## Education

Sep. 2012 - Apr. 2017

### Candidate for Bachelor of Software Engineering

University of Waterloo, Waterloo

- Relevant courses:
  - Data Structures and Data Management
  - Algorithms
  - Object-oriented programming (C++)
  - Foundations of Sequential Programs (C++ & assembly)
  - Operating Systems (C & assembly)
  - Numerical Computation (Matlab)
  - User Interfaces (JavaScript, HTML, Python)
  - Software Testing and Quality Assurance (Java)
  - Functional Programs (Scheme)
  - Algorithm and Data Abstraction (Scheme & C)

Jul. 2012 - Aug. 2012

### "Spring of Geek" summer classes

University of Tianjin, Tianjin

- Designed an online forum in HTML and PHP, as well as the corresponding database in MySQL
- Learned idea of Open Source and OAuth

## Award

Sep. 2012

### President's Scholarship

University of Waterloo

Sep. 2012

### International Student Entrance Scholarship

University of Waterloo

Sep. 2012

### Euclid Mathematics Contest (Top 2%)

University of Waterloo

## Interests

**Professional:** data analysis, web design, web app creation, software design

**Personal:** cooking, running, yoga, meditation, pets