

# Sida Li

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## HIGHLIGHTS OF QUALIFICATIONS

- Experienced in C/C++, Java, Python, HTML 5, JavaScript, and SQL Server
- Familiar with Mac OS, Linux, and Windows
- Analytical, good at debugging and problem-solving
- Motivated self-starter and aptitude to learn and apply knowledge quickly
- Had a solid reputation as a competent team member with good interpersonal skills

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## EDUCATION

### Bachelor of Engineering, Electrical and Computer Engineering Co-op

McMaster University, Hamilton, ON

Expected Completion April 2017

- Level 3, **CGPA 11.94/12**
- Awarded Dean's honour list for academic excellence

### Bachelor of Applied Science Electrical Engineering and Science in Computing Technology

University of Ottawa, Ottawa, ON

September 2013 – April 2014

- Level 1, **GPA 10/10 (Average 99%)**
- Transferred to the McMaster University after completing first year

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## EXPERIENCE AND PROJECTS

### Teaching Assistant

May 2015 - present

McMaster University, Hamilton, ON

- Attended regular office hours and replied students' questions by email.
- Led lab tutorial, helped students debugging when needed.
- Utilized summarizing and planning skills to prepare teaching contents for every class.
- Improved analytic skills while selecting the most representative questions for review sessions.
- Demonstrated leadership skills and organization ability while instructing and assisting students working in groups to develop Mathematical Modeling using Maple and Matlab.

### Personal Webpage

November 2015

- Developed a personal webpage that hosted on Github Pages
- Gained experience in HTML and CSS
- Utilized JavaScript and Bootstrap's CSS templates for web interaction and responsive web design

### Sudoku Game

August 2015

- Coded on C++ and intensified my understanding of object-oriented programming
- Utilized hash table to optimize the backtracking algorithm solving Sudoku

### Pocket size robot arm

Winter 2014 - present

- Coded on Python and C for Raspberry Pi to control the robot and Arduino
- Utilized 3D printer to print the main body of the robot.
- Used Raspberry Pi and Arduino microcontroller board to control robot arm

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## SKILLS

### Programming Language:

• **Software:** C/C++, Java, Python • **Hardware:** VHDL, PSpice • **Web Design:** HTML5, CSS3, JavaScript

**Operating System:** Linux, Mac OS, and Windows

**Application:** Matlab, Maple, Maplesim, Visual Studio, Git, Sublime Text, Microsoft Office, AutoCAD

**Laboratory:** Circuits Analysis, Electromagnetics, Semiconductor, Function Generator, Oscilloscope

**Hardware:** Circuit Design, Digital System Design, Microcontroller, Signal Processing, Feedback and Control Systems

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## AWARDS

- The Dr. Harry Lyman Hooker Scholarship 2014-2015
- Nortel Networks Admission Scholarship; Excellent Student of University of Ottawa 2013-2014
- Second Prize of the Improvement Group in China National Olympiad in Informatics 2012

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## EXTRACURRICULAR ACTIVITIES AND HOBBIES

- **Volunteer,** TERRY FOX RUN, Ottawa Fall 2013
- **Student Member,** Professional Engineers Ontario 2013 – Present
- **Member,** JF Tennis Club 2012 – Present

References Available Upon Request