

ZIHAO ZHANG

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WORK EXPERIENCE

MAY 2016 – AUGUST 2016

Yahoo! Inc. | Software Engineering Intern

- Publicly launched state of the art message routing system written in Node.js at Yahoo scale
- Worked on intelligent virtual assistant utilizing machine learning and natural language understanding

AUGUST 2015 – DECEMBER 2015

Square, Inc. | Software Engineering Intern

- Designed and implemented the fulfillment system that handles the logistics of Square credit card readers
- Launched new client onboarding page worldwide built on Ruby on Rails framework
- Created new features and APIs for Square's online hardware shop using Ember.js

DECEMBER 2013 – SEPTEMBER 2014

FRC Robotics Team 4903 | Software Developer

- Lead the software development team
- Implemented autonomous robotics control system based on real time image recognition

PROJECTS

2016 **Zihao.me** ([github](https://github.com))

Personal website built with WebGL and Node.js

2016 **Vocode** ([github](https://github.com))

Speech to code using NLU and semantic analysis

2014 **Cubez** ([github](https://github.com))

Rubik's Cube simulation in Java and OpenGL

2013 **ZOS**

x86 hobby OS with basic I/O, display, console and memory management support

2013 **PythonCraft** ([github](https://github.com))

Minecraft clone written in Python with C++ rendering backend

EDUCATION

2014 - PRESENT

University of Waterloo

BACHELOR OF COMPUTER SCIENCE

- Major GPA 3.7

2011 - 2014

Vincent Massey Secondary School

HIGH SCHOOL DIPLOMA

- Distinguished Honor Roll

TECHNICAL SKILLS

ADVANCED

C++, JavaScript, Python, Ruby, Java, Algorithms, 3D Graphics, Assembly

INTERMEDIATE

Machine Learning, Cryptography, PHP, C#, Racket

AWARDS

International Olympiad in Informatics (IOI) 2014

BRONZE MEDAL

Represented Canada in one of the most prestigious algorithm competitions in the world

Canadian Computing Olympiad (CCO) 2014

GOLD MEDAL

Invitational algorithm competition for the top 20 Canadian high school students