

# Yushi (Alfred) Cao

2A Electrical & Computer Engineering

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## Key Skill Set

- Proficient in Java, C#, VBA,;  
Experience in SQL, Android development and C++  
Familiar with website development and Arduino
- Proficient in MS Office, especially in Access and Excel
- Experience of designing and building databases
- Familiar with Linux (Ubuntu) OS
- Photographer, familiar with Adobe Photoshop
- Able to communicate in both English and Chinese Mandarin
- Good driver with full license

## Education

**Candidate for Bachelor of Applied Science, Computer Engineering, University of Waterloo, ON, Sept. 2014 – Present**

GPA 3.9, Dean's Honours List, Excellent academic standing,

**Ontario Secondary School Diploma: St. David Catholic Secondary School 2014**

Honour Roll Academic Achievement; Ontario Scholar

## Experience

**IT Support, City of Toronto – Toronto Water, Toronto, Canada, Winter 2015 & Fall 2015 (8 months)**

- Designed and built multiple relational databases run by SQL and VBA
- Built databases feature functions of data analysing and report generating
- Troubleshoot other databases; fixed and enhanced existing systems
- Maintained databases, wrote user and tech documentation for them

**Technical Support & Customer Service (Apprentice), Xinyu Computer Technology Ltd. Mudanjiang, China, Summer 2014**

- Troubleshoot for PC hardware, operating system and application software
- Assembled compatible PC
- Installed and troubleshoot CCTV cameras using DVR and PC

## Project

**Online Order-placing Android Model (Ongoing)**

- A client – server – business-owner communication model: the user-ends are on Android platform, and they communicate through the Apache server which runs MySQL database.

## **Personal Website**

Designed and built personal website using HTML, CSS and jQuery. The website are hosted on Github.

## **Arduino Segway Robot**

Built self-balancing segway robot using Arduino as controller, involved Accelerometer and half-bridge driver.

## **Volunteering**

### **Custodian Assistant Waterloo Mennonite Brethren Church, Waterloo, ON, Oct. 2012 – Dec. 2013**

Provided weekly maintenance for church through assisting custodian

### **After-school Program Assistant Christ Evangelical Lutheran Church, Waterloo, ON, Oct. 2012 – Dec. 2013**

- Organized snacks for program attendees, ensuring accuracy of process
- Worked as part of a team to provide safe after- school program for approximately 15-30 children

### **Technical Support (Apprentice, Volunteer), Mudanjiang Petroleum Company, Mudanjiang, China, July 2013**

- Installed and troubleshot CCTV cameras using PC network
- Arranged wire for over 800m net length in a team

## **Other Awards and Achievements**

- Subject Award for Outstanding Achievement in Grade12 Computer Engineering Technology, St. David C.S.S., Waterloo, ON, June. 2014 (awarded for graduating as top of class)
- Canadian Senior Mathematics Contest: Certificate of Distinction, School Champion and Medalist by University of Waterloo, St. David C.S.S., Waterloo, ON, 2013
- Euclid Math Contest: Certificate of Distinction by University of Waterloo, St. David C.S.S., Waterloo, ON, 2013

## **Activities & Interests**

Enjoy arts: photograph, piano, violin

Enjoy sports: swimming, badminton, archery, skiing

Enjoy cooking