**Alfred Cao**

1B Computer Engineering

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**Skill Set**

* Proficient in C#, Java, VBA;

Fluent in VB, HTML, CSS, JavaScript, jQuery, SQL, and Arduino

* Proficient in MS Office, especially in Excel, Access and Word
* Experience of designing and building databases
* Photographer, experience of Adobe Photoshop
* Able to communicate in both English and Chinese Mandarin
* Good driver with Ontario G licence

**Education**

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

GPA 4.0; President’s Scholarship of Distinction

**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

* Designed and built multiple databases on MS Access platform using VBA
* Troubleshot other databases; fixed and enhanced existing systems
* Maintained and documented databases

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

* Troubleshot for PC hardware, operating system and application software
* Assembled compatible PC
* Installed and troubleshot CCTV cameras using DVR and PC

**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

**Project**

**Coop, Winter 2015: Access Card Tracking Database; Acquisition Database; Document Control Database**

Designed and built the three databases on MS Access platform, involving VBA and SQL programming, linked data across different systems. See my website for details.

**Personal and Company's Website**

Designed and built websites using HTML, CSS and jQuery. Websites are hosted on Github, see my website for details.

**Arduino Segway Robot**

Built self-balancing segway robot using Arduino as controller, involved Accelerometer and half-bridge driver. See my website for details.

**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

**Awards and Achievements**

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

**Activities & Interests**

Enjoy arts: photograph, piano, violin

Enjoy sports: swimming, skiing, archery, badminton

Enjoy cooking......