

Alfred Cao

1B Computer Engineering

url: alfredcao.me

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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
- Troubleshoot other databases; fixed and enhanced existing systems
- Maintained and documented databases

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

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

- Installed and troubleshoot 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.....