Yushi (Alfred) Cao

2A Electrical & Computer Engineering

url: alfredcao.me   yushi.cao@uwaterloo.ca

Key Skill Set

- Proficient in Java, VBA,C#;
  Experience in Android development, SQL, website development (PHP, JavaScript)
- 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

Ongoing Project

Restaurant Order-placing System Model

- A client – server – business-owner communication model: the user-ends are on Android platform, and they communicate through a PHP powered web app which talks to a back-end MySQL database.
- Communication between users and server involve PHP "POST", JSON encoding and decoding on both Android and the server, and SQL query.

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
- Troubleshot 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

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

Other Projects

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

Provided weekly maintenance for church through assisting custodian

After-school Program Assistant Christ Evangelical Lutheran Church, Waterloo, ON

- 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

- 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