Junchen(Jack) Zhang
3A (Double Degree) Computer Science (UW) and Business Administration (WLU)
Student ID: 20460018

Local Address	Portfolio: miracle1949.github.io	**Permanent Address**
58 Cardill Cres.	GitHub: github.com/miracle1949	46 Hillwood st.
Waterloo Ontario N2L3Y7	Email: jackzhangjc@gmail.com	Markham ON L6C2X8
2266008368	Linkedin:	9059272018

http://www.linkedin.com/pub/junchen-jack-zhang/68/2a7/195

SUMMARY OF QUALIFICIATION

- Solid work experience focusing on the field of web application development using HTML, Javascript, JQuery, CSS, C#, SQL, Bootstrap, and Visual Studio.
- 3 years+ hands-on experience of Java, C, C++, Pascal, Scheme, Shell Scripting
- Mobile development experience in IOS application using Objective-C
- Research experience in porting a compiling main-memory DBMS that translates SQL to C code
- Excellent understanding of CS algorithms obtained from ACM contests (North American Qualifier contest)
- Fast learner; Obtained GAP 4.0 on Math and CS courses last term

RELEVENT WORK EXPERIENCE

Undergraduate Research Assistant, University of Waterloo, Waterloo, ON Sept.2014 – present
- Porting a main-memory database management system to common lisp
- Worked on two compilers that convert a query-like language that describes relational database to C

Software Developer, CMA, Toronto, ON Jan.2014 – April. 2014
- Independently developed Leading Indicator Mobile Site (http://m.leadingindicator.ca)
- Designed and deployed dynamic DNN ad modules used on Leading Indicator Site
- Automated a web application for Marketing Vanity URL creation
- Prototyped Microsoft Load Balancer for consideration in other applications
- Re-architecture to MVC of Goontario site
- Scripting for mass file input for the Document Management Team

Web Developer, SCM (Opta Information Intelligence), Markham, ON May. 2013 – Aug. 2013
- Independently developed a web application called virtual inspector that is currently being used by the company for generating profit
- Improved efficiency of inspecting residential properties by allowing users to measure areas on the map, taking screen shots of streetview, and storing all information to SQL server
- Programed in HTML, Javascript, CSS, C#, SQL by utilizing Visual Studio
- Incorporated and refined Google Map and Streetview using Google Map API

Teaching Assistant for Calculus, University of Waterloo, Waterloo, ON Sept. 2013 – Dec. 2014
- Evaluated Math 128 (calculus) assignments each week

RELEVENT PROJECTS

TripPlaner, project for Hack the North (Largest hackthon in Canada) Sept.2014
- Worked in a team of four and developed a web application that serves as a platform for travellers
- Utilized Myo^{TM} API allows users to control Google Map streetview and take pictures using gestures
- Used Yelp API to find local attractions
- Automatically displays a route with markers indicating turning points and streetview pictures

UWCourses (on Apple app store) April 2014- present
- Developed an IOS app that allows the user to add UW courses and create a beautiful timetable
- Automatically display exam and assignment countdowns in a user-friendly UI
- Used objective-c, core data, Event Kit, University of Waterloo public API

MIPS Assembler and Compiler, project for CS241 April 2014 – Aug. 2014
- MIPS assembler and compiler written in C++

Quadris, project for CS246 Dec. 2013
- A Tetris-like game with different levels, written in C++ strictly following OPP principal

ePay ⟳   Feb. 2012 – June 2012
- Developed simulation of online shopping system using Java and Received a 95% as the final mark
- Created user interface with data stored in database using Java and Access

Minesweeper ⟳   Feb. 2011– June 2011
- Developed the classic minesweeper game in Java
- Utilized Java to create graphic user interface for the game

EDUCATION   Sept. 2012 – present

Candidate for Bachelors of Business Administration and Computer Science Double Degree, Honours Co-operative Program, Wilfrid Laurier University, University of Waterloo, Waterloo

AWARDS

- Participant of the ACM North American Qualifier Contest   Sept. 2014
- Canadian Computing Competition (senior) Honorable Mention   Apr. 2012
- Canadian Senior Mathematics Contest Group 3   Feb. 2012
- Euclid Contest group 4, University of Waterloo, ON,   Apr. 2011

ACTIVITIES & INTERESTS

Founder, Computer Science Club, Pierre Elliott Trudeau H.S, Markham, ON   Sept. 2010 – Jun. 2012
- Founded the first computer related club in high school
- Lead weekly meetings and conducted discussions on computer questions
- Solved problems and assisted students who encountered difficulties in computer science course
- Received leadership award from high school

President, Magic club, University of Waterloo, Waterloo, ON   Sept. 2013 – Present
- Facilitated weekly meetings

Magic
- Was invited to TEDx talk for doing a magic show that was live streamed online
- Have been performing for more than 5 years; have done more than 20 paid gigs