
Junchen(Jack) Zhang

3A (Double Degree) Computer Science (UW) and Business Administration (WLU)

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SUMMARY OF QUALIFICATION



- 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 and enthusiastic learner; Obtained GAP 4.0 on Math and CS courses last term

RELEVANT WORK EXPERIENCE

Undergraduate Research Assistant , University of Waterloo, Waterloo, ON	Sept.2014 – present
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• Evaluated Math 128 (calculus) assignments each week	

RELEVANT PROJECTS

TripPlanner , project for Hack the North (Largest hackthon in Canada) 	Sept.2014
<ul style="list-style-type: none">• Worked in a team of four and developed a web application that serves as a platform for travellers• Utilized Myo™ 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
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• MIPS assembler and compiler written in C++	
Quadris , project for CS246 	Dec. 2013
<ul style="list-style-type: none">• A Tetris-like game with different levels, written in C++ strictly following OPP principal	

ePay 	Feb. 2012 – June 2012
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• Developed the classic minesweeper game in Java• Utilized Java to create graphic user interface for the game	

EDUCATION	Sept. 2012 – present
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Candidate for Bachelors of Business Administration and Computer Science Double Degree, Honours Co-operative Program, Wilfrid Laurier University, University of Waterloo, Waterloo

AWARDS

• President's Research Award, University of Waterloo, ON	Sept. 2014
• Participant of the ACM North American Qualifier Contest	Sept. 2014
• Two times Term Dean's Honours List, University of Waterloo, ON	May. 2014
• Highest Entrance Scholarship, University of Waterloo, ON	Spet. 2012
• 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
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• Facilitated weekly meetings	
Magic	
<ul style="list-style-type: none">• 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	