ZHUCHENG (MICHAEL) TU

tuzhucheng.com • linkedin.com/in/tuzhucheng • z3tu@uwaterloo.ca • (226) 750-7672

Unit 3, 360 Erb Street West • Waterloo, ON • N2L 1W6

COMPUTER PROFICIENCY

- Languages: Java, C/C++, Python, JavaScript, HTML, CSS, and SQL
- Frameworks/Libraries: Android & BlackBerry SDKs, Node.js/Express/MongoDB, and jQuery
- Environments: Linux (Arch & Ubuntu), Windows, and Mac OS X
- Tools: Eclipse, IntelliJ, Visual Studio, Bash, Vim, Emacs, Git, SVN, Maven, and GNU toolchain

EXPERIENCE

Software Developer, BlackBerry, Waterloo, ON   1/2014 – 4/2014

- Designed and implemented BlackBerry Enterprise Service (BES) public APIs
- Experienced working in an agile environment with TDD, and contributed to daily code reviews
- Worked with REST/SOAP, Spring, Oracle DB, TestNG, Mockito, EclEmma, Maven, and Jenkins

Mobile App Developer, uWaterloo Centre for Extended Learning, Kitchener, ON   4/2013 – 8/2013

- Planned, designed, built, and tested an Android app for proctors to track students for exams
- Gained an extensive amount of experience with the Android SDK and SQLite when independently developing the student/seat search, seating map, import/export, and data synchronization features
- Conducted regular stakeholder consultations to ensure the UX and UI are smooth and intuitive

PERSONAL PROJECTS (Full list available at github.com/tuzhucheng)

GRT BB10 App and API Built native C++ BlackBerry 10 Cascades/Qt app in that can search for bus information offline and also building a separate REST API using Node.js to offer the same services to other clients

GradeTrackr Collaboratively developed Android app to help students keep track of grades and tasks, published on Google Play

Sudoku Solver Wrote personal Sudoku solving algorithm in Java, later ported to JavaScript for a web app and C# for a native Windows 8 app

EDUCATION AND AWARDS

Bachelor of Software Engineering Candidate, University of Waterloo, Waterloo, ON   9/2012 – Present

- Faculty of Engineering and Faculty of Mathematics Term Dean's Honours List (1B, 2A terms)
- President's Scholarship of Distinction (9/2012)

Alberta High School and IB Diploma, Western Canada High School, Calgary AB   9/2009 – 6/2012

- School's sole nominee for the National Scholarship Program of the University of Toronto

EXTRA-CURRICULAR ACTIVITIES

- Served as Academic Representative and Math Society Representative (1/2013 – 12/2013)
- Participated in Microsoft Windows 8 Hackathon, Facebook Hackathon, and HackWaterloo