

## SUMMARY

- Experienced with J2EE development using Spring, AWS, Oracle, MySQL, and IBM Websphere server
- Experienced with Web development using PHP, Javascript (jQuery, React), HTML, CSS and Python
- Experienced in Mobile development using Swift (iOS) and Java (Android)
- Experienced developing programs with C, C++, Scheme, VBA

## WORK EXPERIENCE

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|---|-----------------------|---------------------|
| <b>Application Developer</b>  | <b>XE.com Inc</b>     | <b>Jan-Apr 2016</b> |
| <ul style="list-style-type: none"><li>• Developed features and fixed many bugs for the XE.com website, used by millions of users worldwide</li><li>• Redesigned and implemented XE's newsletter email service application to integrate with Mailchimp</li><li>• Implemented new features for XE's RESTful currency API and currency rates application</li><li>• Created an API client using Java to access XE's currency API, to be put on github as a public sample</li><li>• Developed test automation framework for XE.com using Java and Selenium<ul style="list-style-type: none"><li>◦ Automation tests fully covers XE's currency converter and other calculator pages</li></ul></li><li>• Created proof of concept currency maps for XE's Project Awesome event</li><li>• Technologies used: LAMP stack, ReactJS, jQuery, Java EE, Spring, MySQL, AWS, Python, Tomcat</li></ul> |                       |                     |
| <b>Software Development Intern</b>  | <b>NCR Canada Ltd</b> | <b>Jan-Apr 2015</b> |
| <ul style="list-style-type: none"><li>• Developed features for two factor SSO user authentication system for NCR's remote capture software</li><li>• Identified and fixed performance bottlenecks by analyzing database queries and improving code base</li><li>• Developed and maintained performance analysis scripts using jMeter</li><li>• Provided performance analysis and troubleshooting consultation to bank clients</li><li>• Technologies used: Java EE, Spring, IBM Websphere, Oracle, MSSQL, Tomcat, Jetty, jMeter, SOAP</li></ul>   |                       |                     |
| <b>Technical Student</b>  | <b>Toronto Hydro</b>  | <b>May-Aug 2014</b> |
| <ul style="list-style-type: none"><li>• Created and maintained Excel macros using VBA to automate daily metering data analysis</li><li>• Significantly reduced time required to analyze metering data</li><li>• Generated daily and monthly hydro data analysis reports</li></ul>   |                       |                     |

## PROJECTS

### Java/J2EE

- **J2EE:** Created an account management system using Spring to learn J2EE development
- **FunTimes:** Text-based fighting game created with Swing GUI using OOP methodologies
- **TicTacToe:** Tic Tac Toe client and server that allows multiplayer over LAN network

### Web Development

- <http://2978695409620.github.io>
- Personal website made with Twitter Bootstrap to document technical experiences

### Mobile

- **Sunshine:** Android weather app created for Udacity's Android Development course
- **Calculator:** iOS calculator implemented using Swift
- **Dropit:** iOS game with tetris-like mechanics, learned from Stanford CS193P course

### C++

- **CC3K:** Dungeon Crawler (rogue-like) game implemented in C++
- Completed various coding challenges using C++ on Hackerrank, Leetcode, and Bloomberg CodeCon

## EDUCATION

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|--|---|----------------------------|
| <b>Waterloo, ON</b>  | <b>University of Waterloo/Wilfrid Laurier</b> | <b>Sept 2013 - Present</b> |
| <ul style="list-style-type: none"><li>• Candidate for Bachelor of Computer Science</li><li>• Candidate for Bachelor of Business Administration</li></ul> |   |                            |