John Wu

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Summary of Qualifications

- Skilled at writing functional, efficient, and maintainable code both independently and within a team
- Proficient in Java, C++, JavaScript, Python, and SQL; familiar with PHP and Ruby
- Experienced in full-stack web and Android application development
- Demonstrated leadership skills as the President of the UW/WLU Double Degree Club
- Passionate about technology and learning new things - 88% cumulative average

Work Experience

SAP   Waterloo, ON
Software Application Developer   *January 2015 to May 2015*

- Developed predictive maintenance software using SAP HANA and server-side JavaScript to analyze real time sensor data
- Wrote a RESTful API to create and retrieve work order data from a SQL Anywhere database
- Implemented features for an oil drilling Internet of Things web app, using the SAPUI5 MVC framework for the front-end and a SQL Anywhere database for the back-end
- Built an Android app to calculate and monitor blood alcohol concentration as part of a company hackathon

Work Market   New York City, NY
Software Engineering Intern   *April 2014 to August 2014*

- Led the full-stack development and release of the website's community forums
- Deployed code daily as part of an Agile/Scrum development team using Git, Amazon EC2, and Jenkins
- Developed multiple features including nested comments and post tagging using the Spring MVC framework
- Implemented fast search (less than 1 second) for the forums using MySQL and Apache Solr
- Designed and implemented the UI for over 10 pages using JSP, LESS/CSS, and jQuery
- Wrote an automated unit, integration, and acceptance test suite using JUnit, Mockito, and Cucumber

Projects

Convict Conditioning Android Application
 Github, Play Store   *January 2015 to Present*

- Developed a native Android application for a popular fitness and strength workout program
- Published on the Android Play Store with over 1000 downloads and an average rating of 4.4/5
- Created custom ExpandableListViews to display exercise information such as number of sets/repetitions and picture/video how-tos
- Implemented local user progress saving and tracking using Android Stored Preferences
- Leveraged native and custom Material Design libraries for a simple and attractive UI and UX

University of Waterloo Class Finder   *MHacks III Hackathon, Detroit MI*
 Github   *January 2014*

- Developed a native Android application as part of a team displaying when, where, and by whom each course was being taught
- Wrote Python script to scrape and display professor ratings from RateMyProfessor.com

Education

University of Waterloo   *September 2013 to September 2018 (Expected)*
Candidate for Bachelors of Computer Science
Wilfrid Laurier University   *September 2013 to September 2018 (Expected)*
Candidate for Bachelors of Business Administration

Hobbies

- Intramural basketball and soccer, singing and playing the guitar, top 1% player in League of Legends