YUANYE (TED) ZHOU

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SUMMARY OF QUALIFICATIONS:

Programming Language: Java, Javascript, SQL, HTML/CSS, UML, Bash
Programming Skills: Applied Algorithms, Object Oriented Programming, Design Patterns, Agile, Java/J2EE, Maven, Spring, Servlet, Tomcat, Hibernate, React, Redux, yarn, Karma, Jasmine, Git, HTTP, REST, TCP/IP, Unit Test, Nginx, Jenkins, Docker, i18n, Linux/Windows
Software: Eclipse, WebStorm, Maven, Vim, Latex, Microsoft Office

WORK EXPERIENCE:

Software Engineer, Cisco System, Ottawa, Canada 4, 2017 - present

◎Provided deployment solutions for web based automation testing tools in VM and Docker; designed Jenkins plugin and managed Jenkins to executing test cases.

Software Developer, Trend Micro, Ottawa, Canada 11, 2015 - 4, 2017

◎Developed new features for a hybrid-cloud, enterprise security product that runs on the Apache Tomcat using J2EE; designed new schema in database(SQL Server); defined the REST APIs; tested functionalities using JUnit.

◎Built the visualization and interaction of a multi-platform, enterprise Single Page Application(SPA) using React and Redux; created front-end unit tests in Karma and automated them into Jenkins; internationalized (i18n) the SPA and provided documents.

Research Assistant, University of Ottawa, Ottawa, Canada 1, 2014 - 5, 2015

◎Investigated new strategies for Wireless Sensor and Actor Networks (WSANs) to efficiently cover and respond to emergencies: Dynamic Mesh-Based Location Service in WSANs by a Team of Robots.

SOFTWARE PROJECTS:

Website for professional digital camera reviews, Canada 8, 2015 - 10, 2015

◎Built a digital camera reviewing website using Spring, Hibernate which is deployed on AWS.

◎Constructed database with MySQL and the front-end pages with JSP and Bootstrap.

Robots coordination for event coverage in WSANs, University of Ottawa, Canada 8, 2014 - 4, 2015

◎Developed and tested a novel service discovery protocol in Eclipse using Java and UML.

Routing Protocols in Ad-hoc Wireless Network, University of Ottawa, Canada 3, 2014 - 6, 2014

◎Implemented flooding and greedy routing protocols for ad-hoc wireless network using C++ under Linux.

Modeling of Automated Guided Vehicles System, University of Ottawa, Canada 9, 2013 - 12, 2013

◎Modeled the AGVs system control program using UML, which includes requirements analysis, use case design, analysis modeling, collaborating diagram and state chart design.

EDUCATION:

M.A.Sc, University of Ottawa, Electrical and Computer Engineering, Canada 9, 2013 - 5, 2015

◎Research on Wireless Sensor and Actor Network GPA: 8.6/10

◎Research /Teaching Assistant

B.Eng, Yanshan University, China 9, 2009 - 6, 2013

◎Department of Electrical Engineering, Automation GPA: 3.82/4.0

◎Undergraduate Research Assistant