YUANYE(TED) ZHOU

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SUMMARY OF QUALIFICATIONS:

Programming Language: Java, Javascript, SQL, HTML/CSS, UML, C++, Python, XML

Programming Skills: Applied Algorithms, Object Oriented Programming, Design Patterns, Agile Development, J2EE, Spring, Servlet, Tomcat, Hibernate, React, Redux, Webpack, Karma, Jasmine, Material-UI, Git, HTTP, REST, TCP/IP, Unit Test, AWS, Linux/Windows

Software: Eclipse, WebStorm, JIRA, Jenkins, Apache Ant, Latex, Microsoft Office

WORK EXPERIENCE:

Software Developer, Trend Micro, Ottawa, Canada 11, 2015 - Present

◎ 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

◎ Worked on Wireless Sensor and Actor Networks (WSANs).

◎ Investigated new strategies for robots to respond to events and provide efficient event coverage.

◎ Published paper: Dynamic Mesh-based Location Service in WSANs by a Team of Robots

Undergraduate Research Assistant, Yanshan University, China 9, 2011 - 9, 2012

◎ Accomplished National College Student's Innovate Program, Cooperative Information Exchange of Multi-Agent System

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

◎ Realized Greedy-Facing-Greedy(GFG) routing protocol

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

Design and Test of RISC CPU, University of Ottawa, Canada 1, 2014 - 4, 2014

◎ Designed the circuit simulation using Verilog based on the analysis and division modules of CPU.

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: 89.9/100, 3.82/4.0 (major)

◎ Undergraduate Research Assistant