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YUANYE(TED) ZHOU

SUMMARY OF QUALIFICATIONS:

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

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

Software: Eclipse, WebStorm, Latex, NS-2, Microsoft Office

Language: English/ Mandarin

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, Lab of Networking Control, Yanshan University   *9, 2011 - 9, 2012*

◎   Finished 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 in NS-2, 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 (AGVs) 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

◎   Undergraduate Research Assistant