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YUANYE(TED) ZHOU

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SUMMARY OF QUALIFICATIONS:

Programming Language: Java, SQL, HTML, UML, C++, Python

Programming Skills: Applied Algorithms, Object Oriented Programming, Agile Development, HTTP, TCP/IP, Spring, Servlet, Tomcat, Hibernate, Django, Bootstrap, Unit Test, Linux/Windows, Ad-hoc Network

Software: Eclipse, PyCharm, Latex, NS-2, KEIL, Altium Designer 10, Microsoft Office

Language: English/ Mandarin

Github: https://github.com/YuanyeZ

RESEARCH EXPERIENCE:

Research Assistant, University of Ottawa 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 - 9, 2015

◎ Built a website for checking professional digital camera reviews using Spring framework, Hibernate and Maven

◎ Constructed 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 in Eclipse

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.

National Renesas MCU Smart Car, Yanshan University, China 9, 2010 - 8, 2011

◎ Programmed electrical control system for the embedded smart car using C.

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)

OTHER PRACTICAL EXPERIENCE:

Hunan Blue Sky Wielding Technology Corporation (6 months), China (COOP) 9, 2012 - 5, 2013

◎ Participated in the hardware design of tower crane monitoring system based on STM32.

Undergraduate Practical Project, Yanshan University (1 month), China 5, 2012

◎ Built an embedded system to exchange information using wireless module based on STM8.

PLC practice in Computer Control Laboratory, Yanshan University (1 month), China 12, 2011

◎ Programmed programs with CFC and STEP-7 to control S7-400 PLC and its motor