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**YUANYE(TED) ZHOU** +1-613-8906188

**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, AWS, 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:**

***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 website for professional digital camera reviews using Spring framework, Hibernate and Maven which is deployed at AWS

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

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| 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.

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| **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) |  |
| National Renesas MCU Smart Car, Yanshan University, China  ◎ Programmed electrical control system for the embedded smart car using C. | 9, 2010 - 8, 2011 |

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