

# YUANYE (TED) ZHOU

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## SUMMARY OF QUALIFICATIONS:

**Programming Language:** Java, Javascript, Python, SQL, HTML/CSS, UML, Bash

**Programming Skills:** Applied Algorithms, Design Patterns, Agile, Java/J2EE, Maven, Spring, Servlet, Tomcat, Hibernate, React, Redux, Angular, Karma, Jasmine, Django, Node, Elasticsearch, Nginx, Jenkins, Docker, Git, Microservice, HTTP, REST, Unit Test, i18n, Linux/Windows

**Software:** Eclipse, WebStorm, Maven, Vim, Latex, Microsoft Office

## WORK EXPERIENCE:

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

©Worked for automation infrastructure team as a full stack software engineer; managed Jenkins pipeline and designed Jenkins plugins as the executing engine; deployed the microservice system in Docker; designed a dashboard framework for analysis purpose using Elasticsearch and Angular.

**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.

**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