

# William Zhang

University of Waterloo  
4A Computer Engineering

## SUMMARY OF QUALIFICATIONS

- Proficiency in JAVA, JavaScript and Python
- Practical experience in HTML/CSS, JQuery, Bootstrap and SAP UI5 (MVC based framework)
- Solid backend experience in Node.js, J2EE(JDBC and JBOSS), MySql and Oracle Database.
- Working experience with Jenkins, Maven and Ant build tools.
- Skillful at Eclipse, Git, SVN (Tortoise), Visual Studio, JIRA and SQL Developer

---

## Work Experience

### Software Developer – SAP Canada

Jan 3, 2017 – April 26, 2017

- Developed Developer Web Console for the product “DEP”. The website is based on MVC framework - SAP UI5 and Node.js
- Created/Update database tables, stored procedures, triggers, views in SQL Anywhere(a database used in SAP) to support APIs in web backend and the "IOT Adapter Engine".
- Got involved in developing Java program "IOT Adapter Engine" which is used to parse and route data reading inputs from different sources to corresponding end points
- Python Script Development: Created "ESP Silent Install" script to silently install ESP. ESP is a real-time data-streaming project in DEP. All install options are hard coded and user is able to specify install path.

### Java Developer (J2EE) – AGFA Healthcare

May 5, 2016 – August 26, 2016

- Platform Conversion: Architected and Converted automation tests from an old and fragile platform to a new system in JUnit. The tests cover basic functionality including querying, storing, retrieving data. Advanced functions like data sharing; merging and modifying data are also covered.
- JMX Utility Tool Implementation: Got involved in STUI implemented. STUI is a command line utility tool written in Java to manipulate JXM Attributes
- General Artifact Fixing and Function Implementation: Wrote Java code to fix assigned artifacts or new function implementation.

---

## Projects

### Portfolio Website

- A personal website that demonstrates HTML/CSS JavaScript and Node.js skills
- This website contains my **full working experience and related projects**. Please visit:  
[www.williamzhang.website](http://www.williamzhang.website)

### Arduino Parking Assistance System

- A small Arduino project to detect and notify users the distance between obstacle and the system.
- Used a Java program to talk to Arduino via serial connection and store readings to DB via JDBC.

### Step Counter Navigation App (Android)

- An Android app to find the shortest path to a destination in a given map.
- The app is also able to display user's position by setting a starting point. User's position is live updated based on a step counter implemented in the app