CHANGNING XIE Full Stack web/software developer

1608-171 Lees Ave Ottawa ON K1S5P3 | xiechangning20@gmail.com |

[GitHub Link](https://github.com/xiechangning20) | [Portfolio Link](https://xiechangning20.github.io/) | [LinkedIn Link](https://www.linkedin.com/in/changning-xie-235570171/)  | (86) – 13508327107(China) |

**Professional Summary**

* Self-taught web/software developer with several hands-on projects experience using Java, JavaScript and SQL
* Strong passion and interests with futuristic concepts such as microservices, cloud computing and devOps
* Self-starter with ability to learn new technologies at a fast pace
* Solid mathematical, analytical and problem solving background through education

**Skills**

|  |  |  |
| --- | --- | --- |
| * **Java 1.8** * **SQL** * **AWS** * **Docker** | * **HTML/CSS** * **Javascript** * **Jquery** * **Bootstrap 4** | * **Git/GitHub** * **Json** * **XML** * **Ajax** |

**Projects**

**Clay Music Shop** View on [AWS](http://myshop-env.eba-zfvmqz32.us-east-1.elasticbeanstalk.com/web/index.jsp) / [GitHub](https://github.com/xiechangning20/Java-MVC-E-Commerce) August, 2020

**An e-commerce web application using Java MVC design pattern which includes front-end JSP pages, back-end servlets, JavaBeans and MySQL databases**

* Developed authentication services such as user registration & login, which includes email activation, password authentication, and accessibility restriction for non-login users
* Developed user services such as add products to shopping carts, add delivery address, show order detail, and admin services include adding products and product types through database CRUD
* Toolkit: Html, CSS, JavaScript, JQuery, Ajax, Bootstrap, Java1.8, MySQL, AWS, Eclipse

**Android Earthquake Listener** View on [GitHub](https://github.com/xiechangning20/Android-EarthQuake-Listener) July, 2020

**An app that provides real-time update of earthquake data extracted from USGS based on Google Map**

* Developed an API to extract JSON formatted earthquake data from U.S. Geological Survey
* Developed a user interface to show earthquake data that includes location, magnitude and date
* Toolkit: Java, Android Studio

**JavaScript Calculator** View on [GitHub](https://github.com/xiechangning20/Calculator) June, 2020

**A simple calculator built upon vanilla JavaScript**

* Toolkit: Sublime Text

**Education**

**Master of Engineering:** Civil and Environmental Engineering September 2018 – May 2020

**University of Ottawa –** Ottawa, ON

**Relevant courses**:

Advanced Technology in Road Safety Analysis, Transportation Network Analysis

**Bachelor of Engineering:** Civil Engineering September 2014 - July 2018

**Sichuan Agricultural University –** Sichuan, China

**Relevant courses**:

Advanced Mathematics, Linear Algebra, Probability theory and Mathematical Statistics