

Xu Jiang

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EDUCATION

Computer Programming

Sept. 2019 to Present

Algonquin College – Ottawa, Ontario

- Dean's Honours List – GPA 3.99/4.0

Operation Research Simulation/Industrial Internet (Master's Degree)

Sept. 2013 to Sept. 2014

Cranfield University, UK

Thesis, <Linking Symbiotic Simulation to Enterprise Systems: Framework and Applications>, was published in Winter Simulation Conference (2015).

TECHNICAL SKILLS

- **Programming Languages:** JavaScript (ES6), Typescript, Java, HTML 5, CSS, Sass, PHP
- **Frameworks:** Angular, Bootstrap, Ajax, jQuery, Hibernate, Spring Boot (Web), NodeJS
- **Database:** SQL, MySQL, MS Access, MS SQL Server, Oracle
- **Operating Systems:** Windows, Linux (Mint, Ubuntu), VMWare, MacOS
- **IDE Software:** Eclipse, IntelliJ IDEA, WebStorm, Android Studio, VS Code
- **Other technologies & Tools:** JUnit, Apache Tomcat, Git, Packet Tracer, Wireshark, Maven, JSON

PROJECT EXPERIENCE

Shopify Intern Developer Challenge (small full stack project)

URL: <https://github.com/jiangxu525/shopify-intern-challenge.git>

This is the Shopify intern challenge (a small image repository project), and I tried to use as many technologies as I've learned to demo my understanding about front-end and back-end software development. The project is created based on Spring Boot Web project, a Bootstrap template is used, some Vue components are included, and a JSON file is used as virtual database.

E-Commerce Single Page Application (Angular for mobile)

URL: <https://github.com/jiangxu525/e-commerce-SPA>

This is an E-commerce Angular single page application for mobile use. Mature component libraries like Materials or Bootstrap are not used, as I am trying to build all components by myself. It is worth noting that it is not a complete project yet and I am still working on it.

Reddit Reader Web Project (Java project)

URL: <https://github.com/jiangxu525/RedditReader>

Following MVC and DAO design pattern, this Maven project downloads top rated images on Reddit based on user-defined boards in real time, and then includes the images in the personal gallery to display.

Front end: HTML, jQuery, Ajax, JavaScript and CSS

Back end: Servlet to response, and Hibernate to manage the database

Database: MySQL

Geo Data Source Android App (Android Project)

URL: <https://github.com/jiangxu525/CST2335FinalGroupProject>

Entering in the latitude and longitude, users can find out what cities are near that location. Used the AsyncTask API to retrieve data from an http server to generate a list of nearby cities. This project is created by using java, SQLite database, and SharedPreferences etc.

WORK EXPERIENCE

Web Developer

Aug. 2020 to Present

Invest Ottawa, Ottawa, Canada

- Participated in Digital Main Street (FutureProof) program to help small and medium size businesses using front-end technology including JavaScript/Typescript, HTML, CSS and Angular
- Gained knowledge of how to build WordPress/Squarespace/Shopify based websites
- Participate in the development of new features (design, implementation, unit test) of web projects

Vice Chief Engineer of Industrial Engineering

Sept. 2017 to May 2019

Commercial Aircraft Corporation of China, Ltd., (COMAC), Shanghai, China

- Participated in some industrial software applications like manufacturing management system and labour efficiency analysis system in the part manufacturing, aircraft assembly, and manufacturing management processes

CAM/MBE Engineer

Sept. 2015 to Sept. 2017

Aviation, General Electric Co./COMAC, Shanghai, China & Cincinnati, USA

- Developed a customer portal for GE digital factory team in connection with workshop users, and I quickly learned Angular, bootstrap and other front-end technologies to complete it.
- Participated in Brilliant Factory, Model-based Enterprise, Digital Machine projects for building machine and simulation models, and supported aviation shops in CAM Environment & Configuration
- Attended GE trainings involving Leadership, Project Management, Jet Engine Teardown, Six Sigma and Lean, Avionics and Mechanical Design Fundamentals

REFERENCES

Hubert George Furey

Professor, Algonquin College

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Heather Maguire

Professor, Algonquin College

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