

# SHU-HAN HAN

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## EDUCATION

[Computer Programming Diploma](#), Algonquin College | Ottawa, ON

Sep 2022 – Dec 2023

- Dean's Honours List - GPA 3.99

## TRAINING & CERTIFICATIONS

Full-Stack Development, [iSpan International Inc.](#) | Taipei, Taiwan

Nov 2021 - Mar 2022

- Finished a shopping website project with CRUD functionalities by using Spring Framework, MS SQL Server, JSP, jQuery, JS, CSS, and HTML

## SKILLS & COMPETENCIES

**Programming Languages:** Java SE, Jakarta EE, Python, Bash/Shell Script, C

**OS:** Linux (Ubuntu), Windows, MacOS

**Virtual Machine:** JVM, VMware, Parallels

**DBMS:** Oracle, MySQL, MS SQL Server, PostgreSQL

**Version and Project Control:** Git, GitHub, Maven, Gradle

**Network Knowledge:** Internet Protocol (Ethernet, IP, TCP/UDP, HTTP), Routing, Switching

**Java Framework:** Spring Boot, Spring Data JPA

**Frontend Development:** Thymeleaf, JSTL, JSP, jQuery, JS, PHP, CSS, HTML, Ajax

**Web Development Knowledge:** RESTful API, MVC, MVVM, JSON, XML

**Testing:** JUnit 5, Postman API

**IDE:** IntelliJ IDEA, VS Code, Eclipse, NetBeans

**Methodology:** SDLC, Agile, Scrum

**App Development:** Android

**Business Intelligence:** Microsoft Power BI

**Machine Learning:** Supervised/Unsupervised Learning, Association Rules, Weka, RapidMiner, CRISP-DM

## WORK EXPERIENCE

Java Developer Intern, [System One Co. Ltd](#) | Taipei, Taiwan

May 2022 - Jul 2022

- Developed a bank teller UI for a banking system by using a custom programming language
- Developed APIs according to customer requirements by using Spring Boot and Spring Data JPA
- Tested programs by writing JUnit 5 tests and using Postman API
- Wrote software documentation and created confluence pages
- Joined domain discussion to determine microservices for a bank inward remittance system
- Set up project environment and CI/CD by using Docker and Jenkins with senior engineers

## PROJECTS

[Android App Final Project](#)

- As a team leader of 4 people
- Used GitHub to create a repository, allowing members to develop in different branches and merge into master
- My responsible branch was trivia question, where the user can send a custom request to an API and answer the generated questions or save them for later on. The app can grade the answers and highlight the correct options for which the user answered wrong.

[Personal Website](#)

- A personal website of my info, accredited courses (searchable), and projects

### Sports Equipment Shopping Website Final Project

- Built a B2C shopping website with 6 teammates
- The owner can manage products (name, photos, price, detail info, available quantity, and on/off shelves)
- Registration platform and accounts management for the owner's staff and customers
- Customers can search and sort the products by multiple variables, e.g., product name, price, category, etc.
- Customer shopping cart (editable item quantity and subtotal) bound to individual session and account
- Connected to a third-party payment API when a customer checks out
- Product promotion activity for a special discount and period

### SWIFT Message MT304 Parser

- Wrote an application to parse multiple incoming MT304 messages and provide message look-up for user needs

### Number to English Currency Word Converter

- Wrote an application that can convert currency in numbers into English along with its unit tests

## **VOLUNTEER EXPERIENCE**

### **Class Representative, Full-Stack Development Certificate, iSpan International Inc. | Taipei, Taiwan** Nov 2021 - Mar 2022

- Recorded daily class video, ordered class lunches
- Communicated with lecturers and students to adjust teaching speed and style to optimize learning efficiency
- Hosted the class final presentation where visited the representatives from the IT industry

### **Sunday School Secretary, Riverside Ward, The Church of Jesus Christ of Latter-day Saints | Ottawa, ON** Dec 2022 – Aug 2023

- Wrote weekly scripture overviews and emailed them to the members
- Hosted the Sunday School lesson meeting
- Assisted the teachers with their needs for the class, e.g., print-out, chalk and chalkboard, chairs set-up, etc.

### **Sunday School First Counselor, Riverside Ward, The Church of Jesus Christ of Latter-day Saints | Ottawa, ON** Aug 2023 - Present

- Assisted the president and secretary with their duty
- Scheduled teachers for the lessons
- Wrote weekly scripture overviews and emailed them to the members