


Tsun Yin Ho (Jasper)

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SUMMARY

A versatile software developer driven by a passion for innovation and creative problem-solving. With a strong background in software development gained through academic pursuits and professional experience, I have acquired valuable insights from collaborating with team members and professors. Continuously striving to enhance communication and problem-solving skills.

EDUCATION

MSc Advanced Computer Science / University of Leeds

(September 2021 – November 2022)

- Graduated with Distinction, earning a Master of Science degree.

BSc Computer Science, and Information Engineering / National Chin-Yi University of Technology - Taiwan

(September 2016 – June 2020)

- An Honourable Mention was received in my own School of Computing for my Final Year Project, along with a Bronze Prize at the Green Idea Invention and Design Fair Technology competition.
- Achieved a bachelor's degree with 2:1 Class.

SKILLS

Languages: Java, Swift, HTML, CSS, JavaScript, Python

Framework/Library: Spring boot, React.js, Thymeleaf, Pytorch, Scikit-learn, Panda, NumPy, Matplotlib, UIKit, SwiftUI, ARKit

Source Control: Git

Databases: MySQL

IDEs: IntelliJ, VSCode
Eclipse, Jupyter Notebook
PyCharm, XCode,

WORK EXPERIENCE

iOS App Developer - FoodCLUB / Remote

(March 2023 – July 2023)

- Developed a social media app for food enthusiasts, responsible for building the frontend user interface to improve the user experience.
- Utilised XCode and SwiftUI to create and test the social media application.
- Implemented MVVM design pattern to separate concerns and enhance code maintainability and testability in our project.
- Revamped Git Source Control practices to foster seamless collaboration with team member, ensuring a pristine and comprehensible codebase throughout the development process.
- Leveraged Scrum board in Agile framework to track tasks progress seamlessly.

PROJECTS EXPERIENCE

Customer Management web application

<https://github.com/JasperHo1228/Customer-Account-Managment>

- Designed and developed a full stack user-friendly system for admin users to manage customer data without coding knowledge.
- Implemented an N-tier design pattern in the backend system to process data flow for both customers and admin users.
- Built a real time search customer function allowing admin users to search for customers by name.
- Created update, add, delete function to manage customer data.
- Developed a create user account function and should activate it from your real email address.

Skills: Spring boots, Java, Thymeleaf, HTML, CSS, JavaScript, Bootstrap, MYSQL

A Holiday searching web application

<https://github.com/JasperHo1228/HolidaySearchingApp>

- Developed a web application that allows users to search for Hong Kong government official holiday data by date range.
- Implemented HTML, and Bootstraps to build the user interface.
- Used Spring boot JPA to store all the data, including more than 50 special holidays from JSON file, in H2 database.
- Implemented pagination to prevent Java heap space error and ensure optimal application performance.

Skills: Spring boots, Java, Thymeleaf, HTML, Bootstrap, H2 database

Augmented Reality navigation iOS app for University of Leeds

https://github.com/JasperHo1228/AR_Navigation-Uni_Leeds-

- Developed a wayfinding App that allow users to easily find their way around the University campus.
- Used ARkit and ARCL to create an AR route, apply longitude and latitude data by using Corelocation.
- Displayed a small map at the right bottom corner on the phone by using Mapkit, to enhance user experience.
- Conducted a user survey, with 80% of participating students agreeing that the app was helpful for navigate around the campus.

Skills: Swift, UIKit, ARkit, Mapkit, Corelocation