# LIPING WU

Software Engineering and Technology | linkedin.com/in/lipingwucs/

## + PROJECTS

### Mongo Movie
Asp.Net Core, AWS S3, DynamoDB, EC, authentication, Apogee, REST API, Swagger UI.

- Designed and developed the application which allows the administrator can manage user, user can CRUD bulk movie files to/from AWS S3, the viewer to CRUD comments which saved in DynamoDB.
- Added JWT authentication to secure the REST API and the Swagger UI to manage REST API.
- Published the server side and client side to AWS and supported cross-platform visiting.

### Bill Splitter
Android Studio, MVVM

- Designed and developed an android app allows the user to register/login and create a bill group, CRUD bill items, and calculate the share of the bill.

### Health Care Web App
REACT, NodeJs MongoDB, Express, TensorFlow, YoutubeIFrame, Diagram

- Designed and developed the app that allows users to register/login as different roles, allows nurses to CRUD a patient history, allows patients to view the medical history.
- Added YouTube player function, visualized patient's history and give an alert to the patient if the indicator out of safe range.
- Applied machine learning (Tensor flow) method to simulate training dataset to build disease prediction.

### Health Care Mobile App
Android Studio, MVVM

- Designed and developed the app that allows users to register/login as different roles, allows nurses to CRUD a patient history, allows patients to view the medical history.

### School Locator
Android Studio, MVVM, Google Map

- Designed and developed the app that allows users to view and search college information from a different style of map.

### Cruise Booking Web App
Java, Spring Boot, JPA, MVC

- Designed and developed the app that allows users to register/login to the system, view the cruise list, reserve/reschedule/cancel a cruise, and make a payment.

### Data Analysis and Visualization of Toronto bike theft data
Python, Matplotlib, Plot ply, Seaborn, Folium, Flask, Postman

- Loaded data, cleaned data, transform data and visualized data from Toronto bike theft with Python libraries, and Power BI.
- Built data training models with different classifications, evaluated and optimized the model.
- Set up model prediction REST API.

### Yummy Mummy
Asp.Net Core, Azure,IIS,MVC

- Designed and developed the recipe web app which allows users to register and login to CRUD operation base on different authorization on category, ingredients, recipe, and reviews, etc.
- Published on Azure for public visit.

## + CONTACT

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 github.com/lipingwucs

## + LANGUAGES

Java
C#
JavaScript/Node.js
HTML/CSS
Python
BASH

## + FRAMEWORKS

React, React Native, Redux, Express, Socket.io, Scikit-Learn, Tensorflow, Spring Boot

## + DATABASES

Oracle DB, MongoDB, PostgreSQL, MySQL, DynamoDB

## + TOOLS

VS Studio, VS Code, Eclipse, Android Studio, Postman, AWS, Azure, Spark/Spark Streaming, Spyder, Jupyter, Unix, Git, Webpack, PowerBI, Tableau

## + INTERESTS

I **learn** about web, cloud and data. I **love** travelling, gourmet, comedy and gardening.

## + EDUCATION

**Centennial College**
Software Engineering Technology
Advanced Diploma
April 2021