

RAINIE LIU

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A highly qualified IT graduate from the University of Technology with a master's degree in Software System Engineering in **distinction average**.

A team player with solid working ethos, Seeking a **Junior Software Engineer role** that would utilize my coding skills to help solve real-world challenges and build great software solutions.

TECHNICAL SKILLS

Front end:	Javascript React Angular HTML CSS Bootstrap Material UI Ng Zorro
Back end:	C# NodeJs PHP
Database:	MongoDB MySQL
CI/CD:	JIRA
Other:	Git Version Control JSON XML Linux Mobile development (Swift)

EXPERIENCE

OCT 2020 – PRESENT

FULL STACK DEVELOPER INTERNSHIP, VMOR TECHNOLOGY

Tech stack:

- - HTML5, CSS3, SCSS, JavaScript (ES6 +), Angular, Ng Zorro, React, Material UI, C#, RESTful API

Responsibilities:

- -Use Angular and Ng Zorro develop for Headless CMS
- -Develop website by React, NextJS, Material UI
- -Develop back-end by C#
- -Design REST API based on the requirements and test them using Postman
- -Integrate with 3rd party APIs
- -Participated in daily Agile stand-up
- - Project process management by Trello

PROJECTS

Personal Website

Individual project

This is my website written by **React, JSX, CSS**. It is totally **responsive** in mobile and laptop browsers. It aims to present an introduction of myself, with a function to see or **download my CV**, and projects I have done before.

Duration:	Sep 2020
Dev Tools:	ReactJS, Front Awesome, Netlify, Bootstrap, CSS
Responsibilities:	<ul style="list-style-type: none">➤ Written by ReactJS with functional components➤ Created reusable components by React➤ CSS control for responsive website and frontend animation➤ Functionally responsive navigation bar with state management➤ Used Bootstrap for the button component➤ Use Front Awesome for icons➤ Deploy with Netlify with detection for real-time changes

URL: <https://www.rainie.cf/>

Github: https://github.com/YuhuiRainie/personal_website

Image-only Discussion website

Group project

This website aims to be like **Reddit**, using pictures to share and comment. Written in Javascript (ES6) and TypeScript, developed with **MEAN** (MongoDB, Express, Angular, NodeJS) and implemented server-side logic with **RESTful API**.

Duration:	Aug 2019 – Nov 2019
Dev Tools:	Angular, ExpressJS, MongoDB, NodeJs, Bootstrap, RESTful APIs, AWS EC2
Responsibilities:	<ul style="list-style-type: none">➤ JSON Web Token ensure user authorization➤ Created reusable components by Angular➤ Full-stack CRUD function for display, update and delete posts➤ Like function to give a thumbs up; count the number of likes and list people who have liked a post➤ Sort by newest or most popular function➤ Pagination➤ Implemented server-side logic with RESTful API and mocking collaboratively with Postman➤ Website frontend design➤ Manage progress with Trello

Github: <https://github.com/YuhuiRainie/AIP-ass3>

Car Renting Website

Individual project

LAMP stack website for renting cars.

Duration May 2019 - June 2019

Dev Tools:

HTML, CSS, Bootstrap, PHP, Apache, XML, Javascript

Responsibilities:

- Proposed architecture diagram with LAMP stack (XML, PHP, and Apache)
- **Designed the UI, functions and logic** for the whole website
- **Pages developed by PHP**
- **Fetch data** from the **XML** file and interpret into car pictures and information dynamically
- **PHP cookies storage**
- **Sending email function**

URL: [Car renting website](#)

Github: <https://github.com/YuhuiRainie/Hertz-UTS>

Achievements: **High Distinction**

Scientific Calculator

Individual project

Command Line application for mathematic equation calculation (work with multiple variable X).

Duration Aug 2018 - Sep 2018

Dev Tools:

C#

Responsibilities:

- Basic functions of calculation
- **Transform unusual equation** into a standard mode
- Deal with multiple variables in one equation
- **Error handling** and **invalid Input errors**, including out of Integer Range errors and division by zero errors.
- Well-separated file structure for objects and functions

Github: https://github.com/YuhuiRainie/Linear_equator_scientific_calculator

Achievements: **Distinction**

Rich Text Editor

Individual project

It is a **Note Pad application** with user management. It is a Windows Form Application will allow new uses to be added, existing users to login, and to create/save/edit text documents. The text documents can be either viewed or modified/created based on the user type.

Duration Otc 2018 - Nov 2018

Dev Tools:

C#, .NET WPF, UI element

Responsibilities:

- Interactive windows form application with C#
- Allow new users to sign up, existing users to login, and to create/save/edit text documents
- Text documents can be either viewed or modified/created based on the user type
- Communicating between multiple windows forms
- Using **collections, generics, enumerators**
- **Manipulated text** with file operations

Github: https://github.com/YuhuiRainie/Desktop_rich_editor

Achievements: **High Distinction**

Car Renting iOS APP

Group project

Duration

May 2019 - June 2019

Dev Tools:

Swift, Swift JSON, Alamofire, AirTable, Drawio

Responsibilities:

- **Followed MVC** design
- Written in Swift with **Xcode Storyboard** for search and car details pages
- Implemented Product Design Cycle by **Drawio**, iteratively planning, prototyping, and **compatibility testing**
- **Fetch data** from **Airtable** and **translate date** into **Swift JSON**
- **Use Mapkit** for display the location of the car
- Models, multiple ViewControllers, ScrollView and TableViewController and data structure management
- Version control with Github

Github: <https://github.com/YuhuiRainie/uts-ios-2019-project3-130>

Achievements: **High Distinction**

BubblePop iOS Game

Individual project

iOS APP with bubbles randomly display on the screen. A player can pop a bubble by touching a bubble, and every time they pop a bubble, they earn points based on the game's rules. It has function to set up the number of the bubble, display top three player

Duration

Apr 2019 - May 2019

Dev Tools:

Swift, iOS Native UIKit

Responsibilities:

- **Followed MVC** design
- Written in Swift with **Xcode Storyboard** for pages
- **Control the appearance** of the different colour bubbles
- **Logic to avoid bubbles overlapping** and landing in the corners

- **Compatibility tests** in different iOS devices and system versions of Xcode
- Models, multiple ViewControllers, ScrollView and TableViewController, and data structure management
- Fetch data from table to show top three player

Github: https://github.com/YuhuiRainie/BubblePop_Game

Achievements: **Distinction**

Travel Agent Database

Individual project

A **relational database** developed using **SQL** for a Travel Agent website

Duration Aug 2018 - Nov 2018

Dev Tools: **SQL**

- Responsibilities:
- **Designed** the tables and relationship between the tables
 - Draw **ERD** for the database
 - Designed the **primary key**, **foreign key** and **self-referenced table**
 - **Built the table using by SQL**
 - **Linux** operating system

Github: <https://github.com/YuhuiRainie/travel-agent-database>

Achievements: **Distinction**

EDUCATION

MAR 2018 - DECEMBER 2019

MASTER OF ENGINEERING, UNIVERSITY OF TECHNOLOGY (UTS), SYDNEY

Major in **Software System Engineering**

GPA: 80/100

JUNE 2015

BACHELOR OF ENGINEERING, TIANJIN UNIVERSITY OF TECHNOLOGY AND EDUCATION, TIANJIN CITY, CHINA

Major in **Computer Science and Technology**

Certificate

May 2013

- **ASP.net System of CITT**(national Occupational Qualification Level 3)

CORE SKILLS

- Resilient and able to work to tight timescales.
- A good communicator who is able to explain complex technical concepts, both verbally and in writing, to a technical and non-technical audience.
- Strong problem-solving and analytical skills.
- Self-motivated and a quick learner.
- Ability to anticipate problems and develop effective solutions.

LANGUAGES

- English – **PTE Academic: 85/90**
- Chinese (Mandarin) - Native

INTERESTS

- Coding
- Weight Lifting, Gym

REFEREES

Available upon request.