

# YuZhen Xie

## EDUCATION

### NATIONAL TSING-HUA UNIVERSITY

MASTER OF COMPUTER SCIENCE

AND INFORMATION ENGINEER

Sep.2014 – Aug.2016 | Hsinchu, Taiwan

## ABOUT ME

LinkedIn:// [Profile](#)

Domination Map:// [website](#)

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Phone:+81-80-8812-0881

## SKILLS

### PROGRAMMING

PHP • Laravel • Redis • PHPUnit • Vue.js

• JavaScript/ES6 • Bootstrap Vue •

Element • MySQL • Python • C# • C

### LANGUAGE

English TOEIC: 820/990

Mandarin Chinese

### EXPERIENCE IN

RESTful API Design • UI Component

Design • JIRA • PHPStorm

## WORK EXPERIENCE

### RAKUTEN, INC. | SOFTWARE ENGINEER, GOLF PRODUCT DEVELOPMENT GROUP

Nov 2016 – Current | Tokyo, Japan

#### DOMINATION MAP

- designed and developed bug-free, daily-based ranking algorithm for **2M** users and 47 Japanese prefectures (Redis)
- designed and built robust RESTful APIs of the new product to attract the attention of our potential users (PHP, Lumen)
- worked closely with APP team to support them API application and connection with right protocol (Swagger, API Mocking)
- designed the storage management of user profile pictures

#### BUSINESS TOOL

- understood business requirements of booking, tee time, and payment and designed and implemented client-acclaimed, mobile-first, reusable UI components
- cooperated with API gateway developers, consuming JSON-based RESTful APIs, and solving troubles quickly by identifying and addressing root causes
- designed the front-end routing, state management by Vuex, centralized HTTP error handling and generalized and customized error messages

## INTERNSHIP

### MICROSOFT | SOFTWARE ENGINEER, PLATFORM EVANGELISM DEPARTMENT

Jul 2013 – Jun 2014 | Taipei, Taiwan

- co-worked with start-up companies and assisted them developed their services on Windows Phone App and Windows Store App

### SPREEED | SOFTWARE ENGINEER

Jul 2014 – Aug 2016 | Taipei, Taiwan

- cooperated with the biggest telephone company in Taiwan to develop their Windows Phone APP, providing a variety of services including payment, roaming application, contract information, etc.
- implemented MVVM architecture pattern and consumed JSON-based RESTful APIs

## RESEARCH

### STRING MATCHING ALGORITHM FOR A WIRELESS LOW-POWER REAL-TIME GESTURE RECOGNITION SYSTEM

Dec. 2015 – Jul. 2016 | Hsinchu, Taiwan

Developed a real-time hand-gesture recognition algorithm suitable on low-power MCU for wearable devices with wireless transmission capability. (C, Python)

### CELL INDICATOR SYSTEM FOR PHARMACIES SYSTEM

Jul. 2015 – May. 2016 | Hsinchu, Taiwan

Developed a smart indicator system that helps prevent errors by pharmacists when filling a prescription. (C, Python)

## AWARDS

2018 2<sup>nd</sup> Rakuten Development Project

2018 2<sup>nd</sup> Rakuten OSPD GORA MIP