

# Yuchuan (Eric) Chen

325 W. Adams Blvd, Los Angeles, CA 90007

chen992@usc.edu | (213) 479-1677 | <https://www.linkedin.com/in/yuchuan-eric-chen-5b71a4169/>

## EDUCATION

---

**University of Southern California, Los Angeles**

**Aug 2017 - May 2019 (Expected)**

Master of Science in Computer Science

**Xidian University, Xi'an, Shaanxi, China**

**Aug 2013 - Jul 2017**

Bachelor of Science in Software Engineering, *National Scholarship*, 2<sup>nd</sup> place out of 450, GPA: 3.8/4.0

## WORK EXPERIENCE

---

**Software Engineer Internship, The Data Workers Inc.**

**July 2018 - Present**

- Worked with clients, accountants, backend developers to reconstruct existing property management system, add new features and move it to public cloud
- Designed interactive web pages utilizing **AJAX** technology to simplify basic CRUD operations and provide features such as accounting, reporting, marketing and property owner management to allow customer pay online, submit maintenance requests
- Utilized **Bootstrap** Framework to provide responsive features
- Designed and implemented server side RESTful services based on **Laravel** framework wrote by PHP
- Utilized Elastic search to improve searching performance by 80% and provide alerting service

## PROJECTS

---

**Best Event: An Activities Recommendation System**

**Sept. 2017 – Oct. 2017**

- Developed an interactive web page (**HTML5/CSS/Javascript/jQuery**) for users to search activities, update preference and view recommended activities
- Implemented **Java servlets** with RESTful APIs to handle HTTP requests and responses
- Built relational and NoSQL databases (**MySQL/MongoDB**) to capture activity information from **TicketMaster** API and store user preference
- Designed a content-based recommendation algorithm to match events based on visit history and user preference
- Tested web services with **unit tests (JUnit)**
- Deployed server to **Amazon EC2** to handle 120 queries per second tested by **Apache JMeter**

**Tech Shop: A Spring and Hibernate based Shopping and Ordering system**

**Nov. 2017 – Dec. 2017**

- Built a web application based on **Spring Framework** for users to shop and order items online
- Utilized Spring **MVC** (including dependency injection, inversion of control, REST API etc.) to support item management, search and listing
- Implemented authentication management with **Spring Security**
- Utilized **Hibernate** to provide better support of database operations
- Built a **Spring Web Flow** to support ordering function

**Driver Advisor: LBS-based Android App for smart driving**

**Apr. 2018 – May 2018**

- Built an **Android** App for users to receive nearby alerts such as traffic electronic eyes, over speeding, police, traffic jams, drunk etc.
- Integrated **Google Map API** to display nearby hot alerts and provide navigation for drivers
- Utilized **Google Firebase** to store and manage UGC including comments, images, descriptions
- Improved the UI/UX flow utilizing Animation, Toolbar/ActionBar
- Implemented inter-communication between drivers and passengers with Android Broadcast Intent

## SKILLS

---

- **Languages:** C++, Java, HTML5, CSS, JavaScript, PHP, Python, C, SQL, XML, Shell, JSON
- **Tools:** Apache Tomcat, MAMP, JUnit, JMeter, MySQL, MongoDB, Amazon EC2, Gradle
- **Framework & Other technologies:** React.js, Vue.js, Bootstrap, Mocha, Spring MVC, Node.js, koa2