

# Renxu Hu

www.renxuhu.com

Los Angeles, CA

(858) 699-6450

renxuhu0423@gmail.com

## WORK EXPERIENCE

### Snap Inc.

[Los Angeles, CA]

#### Software Engineer

[Jul. 2019 - Present]

- Working on Snapchat Memories iOS team

### Microelectronic Embedded Systems Laboratory at UC San Diego

[La Jolla, CA]

#### Research Assistant

[Feb. 2019 - Jul. 2019]

- Building Genie (genie.ucsd.edu) which is a Web interface for people in a building to control their room temperature
- Designing the backend service which interacts with the microelectronic embedded system and the development of the workflow for user interaction
- Developing REST APIs for the interaction between the machine learning algorithms and primary researchers
- Developing the front-end Web service with the above APIs

### Groupon

[Palo Alto, CA]

#### Software Engineer Intern

[Jun. 2018 - Sep. 2018]

- Developed email, in-app, and push reminder notifications end-to-end which allowed high traffic (**a million users per day**) and improved user experience with an **expected \$4.75M annual revenue**
- Refactored and redesigned the payloads for all reminder notifications to a generic payload which saved **thousands of lines of code**
- Applied planning, scheduling, testing, and monitoring to **ensure software quality**
- Languages & Frameworks used:** Java and DropWizard • Node.js and Express • FreeMarker • Mocha and Chai • Mockito • JUnit • Hadoop • Cerebro • Apache Kafka • Wavefront • Splunk

### Computer Science and Engineering Department at UC San Diego

[La Jolla, CA]

#### Tutor - CSE Department

[Jul. 2016 - Jun. 2018]

- Tutored object-oriented programming (OOP), data structure and algorithm, 3D computer graphics and real-time applications, and digital hardware abstraction and basic logic gates, theoretical underpinnings of digital design
- Reviewed and debugged students' code and explained related concepts

### Beijing China IP LLP.

[Beijing, China]

#### Software Engineer Intern

[Apr. 2015 - Jul. 2015]

- Built a dynamic and interactive website which enabled high traffic and better user experience
- Utilized Progressive Web Apps to amplify user experience on the web
- Integrated a server that expedited search functionality by providing an organized database and faster search algorithm
- Languages & Frameworks used:** JavaScript • React and Redux • CSS • PHP • MySQL • AJAX • JSON • NGINX

## EDUCATION

### University of California San Diego

[La Jolla, CA]

#### Bachelor of Science in Computer Engineering

[Jun. 2019]

- Major GPA: 3.9 / Overall GPA: 3.7**

## SKILLS

#### Key Skills

3rd party SDKs and API(S) integration • Collaboration • Communication • iOS SDK • Multi-threading • iOS versions and devices

#### Languages

Objective-C • Swift • Java • JavaScript • Python • C • C++ • C# • FreeMarker • HTML • CSS • PHP • Perl

#### Frameworks

Cocoa Touch • Node.js • React • Redux • Spring • DropWizard • Django • Flask • Express • Kotlin • gRPC • React Native • SQL • Ajax • Android Studio • Unity • Mocha and Chai • Mockito • JUnit • Apache Kafka

## PROJECTS

### Peterbook

[San Diego, CA]

#### Team Manager

[Mar. 2018 - Jun. 2018]

- Designed a mobile-friendly web application allows personal timeline, instant feed and messaging
- Adapted encryption on the database and operated continuous integration with Jenkins and a monitoring dashboard
- Directed and coordinated production, operations, quality assurance, testing, and maintenance
- Languages & Frameworks used:** React • Node.js and Express • MongoDB • Google Cloud • GoogleKMS • ESDoc • multer • Google AdSense • Jenkins • Enzyme with Mocha • ESLint • Passport.js