

# Renxu Hu

www.renxuhu.com | [in](#) renxu-hu | [hurenxu](#)  
✉ reh011@ucsd.edu | ☎ +1 (858) 699 6450

## EDUCATION

### UC SAN DIEGO

#### BS IN COMPUTER ENGINEERING

Expected June 2019

Cum. GPA: 3.7

Major GPA: 3.9

## SKILLS

### LANGUAGES

Java • JavaScript • C++ • C# •  
FreeMarker • HTML+CSS • PHP •  
Android • Python • SystemVerilog • Swift  
• Perl

### FRAMEWORKS

DropWizard • Express • SQL • Ajax •  
jQuery • Node.js • React • Redux •  
OpenGL • Unity • Mocha and Chai •  
Mockito • JUnit • Hadoop • Cerebro •  
Apache Kafka • Wavefront • Splunk •  
gRPC

## PROJECTS

### PETERBOOK | SOCIAL-MEDIA ALTERNATIVES | TEAM MANAGER

March 2018 – June 2017 | La Jolla, CA

- Designed a mobile-friendly web application allows personal timeline, instant feed and messaging
- Assigned tasks with product requirement documents and technical design documents, arranged team meeting and created team contribution evaluations
- Utilized continuous integration pipeline with Jenkins, a dashboard for monitoring, and encryption on the database
- **Languages&Frameworks used:** React • Node.js and Express • MongoDB • Google Cloud • GoogleKMS • ESDoc • multer • Google AdSense • Jenkins • Enzyme with Mocha • ESLint • Passport.js

### DOPE | SOUNDBOARD WEB APPLICATION

August 2017 – September 2017 | La Jolla, CA

- Created a soundboard application that stores music on the personal customized playlist for people to store and play music
- Implemented cache implementation to improve the performance and used user authentication and authorization, input sanitization, and PHP hardening session to improve the security of the website
- Integrated a server that expedited sort functionality for music and playlists by providing an organized database
- **Languages&Frameworks used:** JavaScript • HTML • CSS • Node.js • PHP • MySQL • AJAX • Soundcloud API

### HYPERLINK | PYTHON TEXT-TO-VIDEO READING ASSISTANT

LA Hacks 2017 | Los Angeles, CA

- Wrote a Python program that serves as a reading assistant which transfers text to video to provide an interactive and adaptive reading method that helps people reading
- **Languages&Frameworks used:** Python • JavaScript • HTML • CSS • jQuery • Azure Cognitive Services • TensorFlow

## WORK EXPERIENCE

### GROUPON | SOFTWARE ENGINEER INTERN

June 2018 – October 2018 | Palo Alto, CA

- Developed email, in-app, and push reminder notifications end-to-end which allow high traffic (**half a million per day**) and better user experience
- Redesigned the payloads and templates for all reminder notifications to a generic payload and template which saves **thousands of lines of code**
- Created product requirement analysis, technical design document, content creation, scheduling, testing, and monitoring
- **Languages&Frameworks used:** Java and DropWizard • Node.js and Express • FreeMarker • Mocha and Chai • Mockito • JUnit • Jackson JSON • Hadoop • Cerebro • Apache Kafka • Wavefront • Splunk

### UCSD CSE DEPT | COMPUTER SCIENCE AND ENGINEERING TUTOR

July 2016 – June 2018 | La Jolla, CA

- Tutored OOP, advanced 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. | SOFTWARE ENGINEER INTERN

April 2015 – July 2015 | Beijing, China

- Developed a dynamic and interactive website that enabled high traffic (**toward thousands of users**) and better user experience (**based on RAIL model**)
- Used Progressive Web App (PWA) to allow better performance
- Integrated a server that expedited search functionality by providing organized database and better search algorithm
- **Languages&Frameworks used:** JavaScript • React and Redux • CSS • PHP • MySQL • AJAX • JSON • NGINX