Renxu Hu

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EDUCATION

UC SAN DIEGO
BS in Computer Engineering
September 2015 - June 2019
Cum. GPA: 3.73
Major GPA: 3.90

SKILLS

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

FRAMEWORKS
DropWizard • Node.js • React • Redux •
Express • Spring • Kotlin • React Native •
Android Studio • SQL • Ajax • JQuery •
Unity • Mocha and Chai • Mockito • JUnit
• Hadoop • Cerebro • Apache Kafka •
gRPC

WORK EXPERIENCE

SNAP INC. | Software Engineer
January 2019 – Present | Santa Monica, CA
- Incoming Software Engineer, Creative Camera at Snap Inc.

GROUPON | Software Engineer Intern
June 2018 – September 2018 | Palo Alto, CA

- 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**
- Redesigned and refactored the payloads for all notifications to a generic payload which saved **thousands of lines of code**
- Designed product requirement analysis and technical design document and applied scheduling, testing, and monitoring
- **Languages&Frameworks used**: Java and DropWizard • Node.js and Express • FreeMarker • Mocha and Chai • Mockito • JUnit • Hadoop • Cerebro • Apache Kafka • Wavefront • Splunk

UCSD CSE DEPT | Computer Science and Engineering Tutor
July 2016 – June 2018 | La Jolla, CA

- 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. | Software Engineer Intern
April 2015 – July 2015 | Beijing, China

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

PROJECTS

PETERBOOK | Social-media alternatives | Team Manager
March 2018 – June 2018 | La Jolla, CA

- 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

DOPE | Soundboard Web Application
August 2017 – September 2017 | La Jolla, CA

- Created a soundboard application that stores music on the personal customized playlist which allowed users to play music
- Implemented cache to improve the performance and used user authentication and authorization, input sanitization, and PHP hardening session to secure the data
- 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