JESSE REN

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University of California, San Diego | B.S Computer Science | GPA: 3.24 | Expected Fall 2017

EXPERIENCE

MobeWash — 6/2016 - Ongoing — ReactJS, NodeJS
Full-Stack Developer/ Design Lead
- Developed booking web-app to be used by employees of 13 companies in May
- Mocked lo-fi and hi-fi wireframes for Android and IOS apps, and led A/B Testing
- Designed database and API operations for mobile development teams

UCSD ECE Department — 9/2016 - Ongoing — ReactJS, NodeJS, MongoDB
Full-Stack Developer/ Technical Lead
- Developed client-facing web portfolio for projects
- Initiated Need-finding for department, implemented CMS for ease of project management and future updates for project owners

Dexcom — 6/2015 - 9/2015 — AngularJS
Software Intern
- Implemented doctor/patient dashboard for analyzing medical data.
- Stress-tested interactive data visualization under 10K+ data sets to ensure compatibility of HighCharts library with Dexcom software

Realstir — 3/2015 - 6/2015 — Swift, AngularJS, PHP
Software Intern
- Developed and optimized performance for company's apple-watch app, improving readability for target market based on font size and color

PROJECTS

KaiX - The Emotional Robot — 7/2016 - 2/2017 — Python, Raspberry Pi
- Prototyped caretaker robot for seniors to help with medication dispensal and scheduling, and companionship.
- Conducted and integrated results from 30 needfinding interviews in to user interface with designers
- Wrote friendly wrapper class that integrated computer vision and animation

Mystery Novel Game Engine — 3/2015 - 6/2015 — Java, Android Studios Multi-Threading, Tuples
- Android interactive murder mystery visual novel with customizable scripts
- Utilized DRY code and recently learned Singleton Design Patterns and Tuples
- Multi-threaded application weaved music and sound effects

https://portfolium.com/entry/visual-novel-game-engine

LEADERSHIP

Divergent Engineering
President
- Interdisciplinary Engineering org. focused on projects and diversity in engineering
- Mobilized a diverse 30-member organization to incubate a variety of engineering projects
- Coordinated inter-disciplinary student projects to develop a synergy of innovation and creativity

SKILLS

Languages
- Javascript
- HTML5
- CSS3
- C++
- Python

Technologies
- NodeJS
- MongoDB
- ReactJS
- PostGreSQL
- WebPack
- Vim
- Trello

Design
- Affinity
- Sketch
- Balsamiq

Methodologies
- Agile
- Scrum