

# JESSIE ZHU

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## SKILLS AND INTERESTS

### TECHNICAL

Experience with C/C++, Python, Java, HTML, CSS, JavaScript/jQuery

Familiarity with SQL, NoSQL, AngularJS, Scala, SASS, SPARC Assembly, Ruby on Rails, Spring, Node.js

Development tools/practices: Git, Vim, Eclipse, Jupyter, JIRA, Agile Development, MVC

### SUPPLEMENTAL INTERESTS/OTHER

Multi-media art, graphic and visual design, and UI/UX design

Adept in Adobe Photoshop, Adobe Lightroom and Microsoft Publisher

## EDUCATION

UNIVERSITY OF CALIFORNIA - SAN DIEGO (UCSD), LA JOLLA, CA / 2013-2017

*B.S. Computer Science, GPA 3.3*

*Relevant coursework:* Object-Oriented Design • Software Engineering • Data Structures • Database System Principles • Algorithms • Computer Graphics • Human-Computer Interaction • Web Client Languages • Data Science

## RELEVANT EXPERIENCE

### WEB DEVELOPER INTERN FOR SANDIA NATIONAL LABS / 2016

- ❑ Built and designed a modular web framework for collecting and analyzing geographical data
- ❑ Utilized various libraries and technologies such as Spring MVC, Maven, RequireJS, Leaflet.js
- ❑ Participated in an agile development process within a group environment of 3 other interns
- ❑ Produced and designed various components to organize data and accessibility for the front-end
- ❑ Implemented publisher/subscriber library within framework to communicate across modules

### DEVELOPER FOR DROPEX / 2017 / <https://dropex-a7d9f.firebaseio.com/>

- ❑ Developed a web repository of class resources and past practice exams for students to use
- ❑ Based the backend and deployed off Firebase and used Firebase Storage as a noSQL database
- ❑ HTML, CSS, Bootstrap, vanilla JavaScript for optimized and efficient client-side web performance

### INFORMATICS HCI WEBSITE / 2016 / <https://jezhu.github.io/hciwebsite/>

- ❑ Designed a clean and aesthetically pleasing static web interface for new informatics students
- ❑ Utilized HTML, CSS, Bootstrap, JavaScript, jQuery to produce fluid and efficient site navigation

### FRONT-END WEB DEVELOPER FOR TRITON TRADE / 2015 / <http://triton-trade.herokuapp.com/>

- ❑ Created an interactive website application for students to trade, buy, and sell used/new items
- ❑ Led and managed front-end development, testing, and collaboration within a team of 10 people

## OTHER / EXTRACURRICULARS

### JAVA TUTOR, UCSD CSE DEPARTMENT / 2016

- ❑ Assisted students in debugging code and establishing fundamental OOP concepts in Java
- ❑ Gave constructive project feedback while developing effective leadership and teaching skills

### OUTSIDE HACKS - RANGER DAVE'S RADAR / 2016 / <https://jezhu.github.io/OutsideHacks/>

- ❑ Constructed a site that would assist festival goers by using their current location to find nearby water facilities and medical tents or alternatively, submit an alert for medical assistance
- ❑ Assisted front-end development in a team of 3 others as user-interaction and graphic designer