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.firebaseapp.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