John Gamboa

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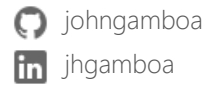jhgamboa
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Experience

Software Engineering Intern   June 2015 – October 2015
Reflexion Health, Inc.

- Worked in the Web Clinician team to develop AngularJS web application that allows clinicians to customize physical therapy exercise plans to be completed by patients via Kinect/Unity patient application.
- Designed and rewrote user interface components using AngularJS and LESS to increase UX of overall application.
- Implemented Gulp task script using Spritesmith to create a sprite sheet of exercise icons to shorten page loading times.
- Built Ionic/AngularJS prototype that allows patients to track therapy session exercise progress and to perform or self-report exercises on mobile.
- Created data exploration graph using C3.js and software version watcher of Data Analytics internal application and interfaced with Ruby on Rails API server.
- Wrote BDD test suites using Jasmine to rigorously test application behavior.

Projects

FitKit
Software Engineering

- Built Android application with team of five developers that keeps track of the user's health profile, body mass index, and weekly calorie intake. Instructed developers in using development tools, implemented back-end solution, led team meetings and direction of application development, wrote test cases for BDD.

studybuddy
Interaction Design

- Built web app that allows users to easily search, join and create course study groups. Led team of two student designers in planning and building an end-to-end AngularJS application within two months.

Involvement

Core Organizer, Tech Team Member   January 2016 – present
SD Hacks

- Responsible for developing technical components of hackathon, such as front-end aspects of organization's registration site. Organizing logistics of hackathon and events with thirteen other members.

Tech Team Member   October 2015 – present
Triton Engineering Student Council

- Developing front-end aspects of organization's site to increase UX.

Front-end Developer, Tech Team Member   May 2014 – September 2014
UCSD Circle K

- Implemented front-end aspects of organization's AngularJS site by building a smooth and appealing interface that catered to users' needs. Designed to allow users to easily register for, create, and view Circle K social and service events, as well as look up organization information.

Micromouse Assistant Team Lead   October 2013 – present
IEEE UCSD Student Branch

- Building autonomous robot involving writing maze-solving flood-fill algorithm, interfacing sensors with software, and implementing maze-mapping algorithm.

Skills

Proficient
- JavaScript
- AngularJS
- Ionic
- HTML/CSS
- Java
- C
- C++
- Python
- Bootstrap

Prior Experience
- MongoDB
- Node.js
- Express.js
- LESS
- D3.js/C3.js
- Polymer
- Verilog
- ReactJS
- Android
- Ruby on Rails

Education

UC San Diego
La Jolla, CA

- B.S. Computer Engineering
- Expected Graduation: June 2017
- GPA: 3.153

Coursework

- Interaction Design
- Software Engineering
- Design and Analysis of Algorithms
- Advanced Data Structures
- Advanced Digital Design Project
- Computer Organization and Systems Programming
- Computer Architecture
- Basic Data Structures and Object Oriented Design
- Principles of Computer Operating Systems