John Gamboa

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Education

UC San Diego
B.S. in Computer Engineering
Cumulative GPA: 3.285

Relevant Coursework
Web Client Languages
Advanced Software Engineering
The Art of Product Engineering
HCI Programming Studio
Interaction Design
Usability and Information Architecture
Design and Analysis of Algorithms
Advanced Data Structures

Skills

Languages
Java	Javascript
Python	HTML
CSS	C

Technologies
Vue.js/Vuex	Node.js
Express	MongoDB
Docker	MySQL
jQuery	React/Redux

Involvement

SD Hacks   Fall to Winter 2016
Tech Team

Responsible for developing technical aspects of hackathon and providing technical support during event. Set up and managed mentor queue web application that allowed participants to request mentors.

UCSD Circle K   Summer 2014
Tech Team

Built aspects of organization's website in Angular that allows users to easily register for, create, and view social and service events.

Experience

Perspectium   Summer 2016
Software Developer Intern

Designed and developed new features of Observer and Dashboard web applications in jQuery, Java EE and MySQL which provide solutions for ServiceNow and Salesforce developers to monitor and analyze instance metrics. Implemented new features of Replicator Agent data replication and synchronization cloud service in Java EE and MySQL which propagates data to ServiceNow instances, and message broker service which brokers messages between Replicator Agents and instances.

Reflexion Health   Summer 2015
Software Engineering Intern

Designed and developed new features of web clinician application in Angular that allows clinicians to customize physical therapy exercise plans to be completed by patients via Kinect/Unity patient application. Built hybrid application proof-of-concept in Angular and Ionic that allows patients to track therapy session exercise progress and to perform/self-report exercises on mobile. Visualized patient data with C3.js and constructed new features of internal analytics application in Ruby on Rails and Angular.

Projects

IoTea

A robotic bartending robot controlled by Vue.js web application. Built IoTea REST API for drinks and authentication with Node.js, Express, MongoDB, and Docker. Implemented IoTea Dashboard web application to create, manage, and dispense drinks with Vue.js.

Enque

Enterprise SaaS customer check-in and employee management web application built with Node.js, Express, and MongoDB. Worked as lead developer to refactor existing application code base and build form builder, patient check-in, company customization settings, and appointment scheduling features.

MagicDex

Built web application with Vue and Firebase designed for collecting cards and managing deck builds from Magic: The Gathering. Implemented CRUD features to add, remove, and edit user-created decks and filter search cards by name.

ItzLit

Web application built with jQuery, Node.js, Express, MongoDB, D3.js, Socket.io, Google Maps API, and Passport.js designed to provide users safe and lit routes calculated based on street light density visualized as a heat map from 2012 San Diego City street light data. Visualizes live and UCSD DELPHI aggregated crime data from San Diego. Live newsfeed enables users to discuss commute conditions and safety.