Daniel Sung

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Education

University of California, San Diego

Computer Science B.S.
2017

Coursework

Algorithms
Data Structures
Software Engineering
UX Design
Human Computer Interactions
Web Client Languages
iOS Development by CodePath
Databases
Data Mining
Operating Systems
Compilers

Languages

JavaScript
HTML/CSS
Java
Python
Swift
C/C++
Objective - C
SQL

Tools

AngularJS
Node.JS/Express
MongoDB
Meteor/Blaze
React.JS
xCode
JQuery
REST
Bootstrap
Git
Unix

Projects

UCSD Basketball iOS App   *dssung.github.io/UCSD_Basketball*
Objective - C, xCode

- Designed and created view controllers for news, schedule, box scores, roster, player stats/profile, standings and team stats for both men and women teams.
- Created parser to scrape player and team stats from UCSD Athletics site's HTML table.
- Obtained links to schedule, scores and news through UCSD Athletics' RSS feed.
- Implemented with auto layout constraints

UCSD Trekker   *ucsdtrekker.herokuapp.com*
Node.JS/Express, AngularJS, Google Maps API, FullCalendar API, HTML/CSS, Bootstrap

- Designed and created interactive route tracer for UCSD students and their class locations
- Created calendar feature using FullCalendar API, which allows users to submit their
- Implemented toggle current location function which either routes from current location or first course.
- Currently extending app to feature "hotspot" locations by using Google Places API and user account settings allowing users to find nearby food/study/lounge/nap spots similar to Yelp.

Cook Top   *cooktop.herokuapp.com*
Node.JS/Express, Handlebars, JQuery, AJAX, Spoontacular API, HTML/CSS, Bootstrap

- Allows users to add/edit items into grocery list, which can then be moved to their inventory.
- Implemented recipe recommender based on user given preferences/restrictions by integrating Spoonacular API.
- Created wireframes of app pages using Sketch in order to modify and guide the design of web application

CodePath iOS Projects   *github.com/dssung/Yelp*

Swift, Yelp API, Twitter API, Parse

- Implemented and extended projects which include a Yelp clone, Twitter clone, Instagram and Parse Chat using their respective APIs and Parse.

Experience

Mercury Insurance   **Dec 2017 - Present**
Software Developer Trainee

- Fixed code defects for the backend/web services of Mercury's customer portal site using Java, Spring framework in Eclipse.
- Performed unit tests for defect fixes and application enhancements.
- Handled tickets from business analysts for merging user account policies using soapUI and dbVisualizer.
- Collaborated with QA team for test case reviews and code security.
- Attended weekly meetings with Business to Customer team to discuss release summary and future planning.

Center for Applied Internet Data Analysis, SDSC   **March 2017 - June 2017**
Web App Developer, Research Assistant

- Designed and coded web app/game to collect crowdsource data on trace routes and quality of experience (QoE) at *http://crowdtrace.caida.org:8000*
- Implemented interactive map that plotted points and internet routes from database collections, using AngularJS and Ammap API.
- Created app wireframe and responsible for UI/UX design decisions.
- Developed front-end functions such as user accounts, game functionality, game walkthrough tutorial and admin dashboards using Blaze.
- Coded backend functions, such as user accounts, database security, admin functionality, location generation using Meteor and mongoDB.