Avi Samloff

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Technical Skills

Strong: JavaScript, HTML, AngularJS, Ionic, Git, MySQL, Bookshelf, Node/Express, jQuery, CSS, Cordova, Bash, ZShell
Experienced: Backbone.js, Firebase, AWS, Heroku, Jasmine, Protractor, Bootstrap, MongoDB, Grunt, Gulp, Mongoose, PostgreSQL

Applications

Jousting, Software Engineer, Scrum Master | github.com/RickyAndTheWalkers/jousting
Jousting is a mobile application that provides a structure for competition amongst friends. Challenges created by the application allow teams to compete for points. Challenges use native phone capabilities such as accelerometer and camera functionality.
- ❖ Added native mobile camera and accelerometer functionality via Apache Cordova with the Ionic framework
- ❖ Deployed hybrid mobile/web application, RESTful API server, and MongoDB database on an AWS EC2 instance
- ❖ Created RESTful API server endpoints for mobile client to store, receive, and modify persistent data stored in database
- ❖ Architected MongoDB database schema and coupled database to Node/Express server via Mongoose ODM

BalloTime, Full-Stack Engineer | ballotime.herokuapp.com github.com/theavish/ballotime
BalloTime is an Angular application that allows the user to create, vote on, and share ballots with anyone, on mobile or desktop browsers.
- ❖ AngularJS in combination with other libraries were used to provide the user with a responsive, and mobile-friendly interface
- ❖ Employed NodeJS and ExpressJS to set up server side routing to provide a fast client-side functionality and experience
- ❖ Implemented a MySQL database to store the ballots in an efficient manner for fast database lookups

TweeterJS, Full Stack Engineer | tweeterjs.herokuapp.com github.com/theavish/tweeter
TweeterJS is a lightweight Angular application that allows the user to see the most recent tweets by any Twitter user.
- ❖ Used AngularJS to design a user friendly interface to display all relevant information
- ❖ Implemented requests for data to the Twitter API via a Node/Express server

Find Your Rooftop, Software Engineer | github.com/KickassKoalas/FindYourRooftop
Find Your Rooftop is a browser app to discover rooftop bars in the vicinity, and review the Yelp ratings to check popularity.
- ❖ Utilized Google Geolocation API to provide a customised response when user first logs in
- ❖ Implemented Facebook authentication to ensure user's data was kept secure
- ❖ Yelp API displays every bar's average rating and data for each applicable location

Professional Experience

MakerSquare, Technical Fellow/Shepherd | Los Angeles, California   2015-2016
- ❖ Technical instructor for students learning software development, assist students in building projects
- ❖ Mentor for over 60 students participating in the immersive program, responsible for ensuring the wellbeing of students
- ❖ Assist in the creation of lesson plans and course material for future MakerSquare students
- ❖ Instructed numerous lectures on Angular, Data Structures, API Design, and Backbone

United States Air Force, Data Systems Operator | Buckley Air Force Base, Colorado   2012-2014
- ❖ Transmitted commands to satellite constellation using aerospace ground equipment
- ❖ Performed emergency operational action to ensure minimum spacecraft degradation
- ❖ Operated data-handling terminals to acquire and track spacecraft, including receiving, processing, and relaying data received
- ❖ Selected by base leadership for participation in Honor Guard duties, performed honors for more than 50 events and services

Education

MakerSquare (A Hack Reactor School) | Los Angeles, CA   2016
- ❖ Accelerated Software Engineering Immersive Program with 648 hours of coding time (Full-stack Javascript engineering)

Satellite Systems Operations | Vandenberg Air Force Base, CA   2013
- ❖ Space Systems Operations training certificate with number 2 placement amongst peers
- ❖ Tutored class members in class material, such as orbital mechanics, orbital analysis, and physics

Contact Information

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