

TECHNICAL SKILLS

strong: JavaScript, Node.js/Express, D3, jQuery, Firebase, Meteor, React
experienced: Angular.js, MongoDB, MySQL, Git, Backbone.js, Mocha/Jasmine, CoffeeScript, C, Python

PROJECTS

Chime - [chimenotify.herokuapp.com]

An office front-desk service for organizations to welcome guests and let them notify occupants of their arrival

- Used React to build the front-end user interface and worked with back-end API
- Configured Browserify and Reactify to write code using CommonJS module pattern
- Set up testing environment for front-end components using Mocha and React TestUtils

Road Trip-Advisor - [safe-peak-2791.herokuapp.com]

A road trip planning guide to search and highlight points of interest along your way

- Implemented a PostgreSQL database with Heroku to save user-marked longitude and latitude coordinates
- Built back-end routing and query handling with Node.js and Express for client requests to the database
- Optimized search algorithm that uses Google Maps and Yelp APIs to sort hundreds of businesses

Your World of Sketch - [yourworldofsketch.meteor.com]

An online real-time collaborative drawing canvas

- Developed a drawing interface using D3 and jQuery
- Implemented a reactive client using Meteor and structured MongoDB database
- Tracked user counts through websocket connections

Build Your Own Text Adventure - [buildyourowntextadventure.herokuapp.com]

An editor to create and navigate your own text adventure game

- Provided client-side interface for users to input and design layouts using Angular
- Created server with Node.js and Express that served site assets and retrieved user data from the database
- Implemented a Firebase database to store and retrieve user-created map layouts

EXPERIENCE

Quality Control Associate - ForteBio/Kelly Services 2013 - 2015

- Tested 6 types of lab instruments along with related lab reagents, ensuring outgoing product quality
- Ran 10+ experiments investigating improvements to product quality and manufacturing process capability
- Pitched and created data analysis tools using Excel and VBA to assist with testing and consistency

Student Assistant - UC Davis PSE Library 2011 - 2013

- Provided assistance to patrons looking for books or checking out material

Lab Intern - UC Davis Department of Pathology 2011 - 2012

- Processed human specimens following safety guidelines for handling biohazardous material

EDUCATION

MakerSquare - Accelerated Software Engineering Immersive 2015

UC Davis - BS in Chemistry - Academic Awards Recipient 2013

Relevant Coursework: Programming in C, Discrete Mathematics, Bioinformatics Algorithms (Coursera)

PERSONAL

I've been playing piano for 15 years, love sketching, play League of Legends sometimes, and like to read books.