

ED HO

Tel: 415-699-7577 edmundho9@gmail.com [portfolio \(coming soon\)](#) [linkedin](#) [github](#)

skills

Ruby Rails JavaScript jQuery React.js Redux SQL Git HTML5 CSS3

projects

TRACER

[live site](#) | [github](#)

Single-page app where users can build and save running and cycling routes; React.js/Redux front-end and Ruby on Rails backend

- Utilized Google Maps elevation API queries to dynamically update & display overall elevation gain of user-built route.
- Deployed directions API queries combined with graphical interface buttons which gives users ability to 'undo' and 'redo' route legs.
- Integrated geolocation API queries to support re-centering map to user's desired search location.
- Leveraged UI slice of state with Redux cycles for conditionally displaying user forms.

shapeShift

[live site](#) | [github](#)

An addicting and challenging typing game built with JavaScript and HTML5 Canvas

- Implemented a 'keypress' event listener in JavaScript and manipulated Canvas to dynamically highlight letters as the player correctly types out word.
- Programmed function that augments Canvas' gradient function to create pulsing effect in game background.
- Designed algorithm that calculates, displays, and updates live the player's WPM and accuracy.

Yelp on Slack

[live site](#) | [github](#)

A Slack app that when installed helps channels decide on where to go for lunch. MERN stack, Slack, Yelp, Google and Imgur APIs

- Set up channel authentication route in Express.js along with Node.js runtime environment for the app's backend.
- Utilized 'request' JavaScript library to make HTTP requests to the Google, and Imgur APIs in order to post locations image along with the restaurants message.
- Persisted channel webhook url data to MongoDB database using 'mongoose' JavaScript library.

experience

Supplier Quality Engineer

UTC Aerospace Systems | Chula Vista, CA

Apr 2017 - Dec 2017

- Developed and successfully executed Supply Chain Quality Assurance First Article Inspection Documentation Review Process across company-wide programs within 3 months.
- Created reference training material for supply base and succeeded in minimizing supplier documentation mistakes by over 50%.

Quality Engineer

Quatro Composites | Poway, CA

Sep 2015 - Mar 2017

- Performed, developed & shipped final & first-article inspections and helped improve company on-time delivery to 98%.
- Designed & deployed work instructions and documentation following strict guidelines governed by aerospace standards
- Automated over 75% of inspection with weekly CMM (coordinate measuring machine) operation & programming.

Applications/Service Engineer

Indicate Technologies | Santa Clara, CA

Aug 2012 - May 2015

- Programmed 3D measurement software on optical CMM's for automation of customer product inspection.
- Applied critical thinking daily to calibrate, maintain, troubleshoot and repair highly sensitive metrology equipment in high-intensity, FDA-regulated, medical device manufacturing & laboratory environments.

education

App Academy (Spring 2018)

1000-hour immersive full-stack web development intensive with <5% acceptance rate

University California @ Davis (Spring 2012)

BS - Mechanical Engineering