Jeff Liang

Phone 626-456-2859   email.jeffliang@gmail.com   www.jeffliang.us

Looking for software/web developer opportunity

SKILLS

JavaScript, ReactJS, Webpack, SQL, Git, HTML5, CSS3, MatLab, Object-oriented programming, AutoCAD, CATIA

Web Development Projects

Food-Filter | *JavaScript, MongoDB, Express, React/Redux, Node.js, ,Third party API, CSS3, HTML5*   Live Site

A full-stack project that use U.S. Department of Agriculture (USDA) API to help users to check if they are allergy to certain product

- Built login functionality using Google-Auth and AJAX calls with Node.js.
- Used barcode (UPC) scanning library to read the barcode by upload/take a photo.
- Made GET request to USDA API for ingredient information.
- Implemented functionality that compare backend data and information from USDA API.

Jtsy | *Ruby on Rails, JavaScript, React / Redux, Webpack, PostgreSql, CSS3, HTML5*   Live Site

A full-stack website inspired by the ecommerce platform Misumi and Etsy.

- Build user-product association on backend to prevent repeated AJAX call.
- Backend data structure normalization to make frontend fetch data easier(no nested state).
- Create, Read, Update, and Destroy(CRUD) for products, prefill product information for product update page.

JavaScript Factory | *JavaScript, Canvas,Webpack, CSS3, HTML5, OOP*   Live Site

JavaScript Factory is a website that has some interesting JavaScript projects

- DOM manipulation and eventListener development.
- Implemented the object velocity and collision event in object-oriented programming.

EXPERIENCE

Product Design Engineer

FTech R&D NA, Troy, Ohio   Jun 2016 - Sep 2017

Led Honda CRV 2018 and Acura MDX 2020 front subframe development

- Used CATIA design 3D model to achieve performance/weight/cost/layout requirement.
- Automated welding bead length calculation process in CATIA.
- Made development plan, work with CAE, prototype, test group and factory for product development schedule(Delivery timing, product maturation).

Mechanical Manufacturing Engineer

Honda of America manufacturing, Anna, Ohio   Aug 2013 - Apr 2015

Designed jigs, fixtures and modify automation equipments for Civic 2014 and CRV 2016 engine

- Designed and modified 100+ manufacturing automation equipment, fixtures, and jigs to integrate new engine to production line.
- Troubleshooted emergency production issues and implemented adjustments to reduce production downtime and improve quality.

EDUCATION

App Academy (Spring 2018)
Immersive software development course with focus on full stack web development
Wright State University   (Spring 2016)
MS - Mechanical Engineering