

Lemuel Lin

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Skills

Languages	JavaScript, HTML, CSS
Technologies	React.js, Express.js, Node.js, MongoDB, Firebase, Tailwind, Bootstrap
Tools	Git, GitHub, Pug, NPM, Webpack, Jest, ESLint, Railway, Fly.io, MATLAB
SEO	Semrush, Google Ads Planner, Screaming Frog Crawler

Projects

Monogram - Instagram Clone

[GitHub](#) / [Live](#)

React | React Router | Firebase | Bootstrap

- An Instagram clone incorporating a weather widget to monitor weather/lighting conditions
- Implemented Google and email authentication through Firebase to handle user login securely
- Integrated Firebase Firestore and Cloud Storage for individual post information
- Asynchronously fetches and extracts current weather data from Open Weather API
- Interpreted and mediated JSON data from API into user-readable data

Inventory Management App

[GitHub](#) / [Live](#)

Express.js | Node.js | MongoDB | Bootstrap | Pug

- Full stack inventory management site with full CRUD functionality
- Utilized MVC pattern alongside MongoDB schemas, Pug templates, and route controllers
- Managed data through MongoDB in conjunction with Mongoose ODM

Minimal Garden - React E-Commerce site

[GitHub](#) / [Live](#)

React | React Router | React Testing Library | Jest

- Leveraged React Hooks to manage state of product information in the shopping cart
- Unit tested shopping cart function with React Testing Library and Jest
- Implemented React Router DOM for dynamic routing

Battleship

[GitHub](#) / [Live](#)

Jest | Webpack | JavaScript | CSS3 | HTML5

- Developed using Test-Driven-Development(TDD), and unit tested game logic with Jest
- Used OOP factory pattern to define game board objects and methods

Work Experience

Application Engineer

October 2018 - Present
Placentia, CA

TCT Circuit Supply

- Developed software to process large datasets and perform statistical calculations with React.js
- Developed software that greatly enhanced the efficiency in CAD drawing generation with React.js
- Analyzed and documented over 200 test procedures to optimize PCB drill process
- Collaborated with an engineering team of 5 remotely to beta-test an IoT warehouse system
- Spearheaded a material cost-saving project, slashing 65% of material costs with improved drill quality
- Programmed CNC drilling machines and performed drilling, routing, hole accuracy measurements

Web Service Engineer

June 2023 - Present
Brea, CA

Xsellarate Merchant Services

- Created websites for local businesses with WIX and JavaScript, elevating their online presence and functionality
- Conducted marketing research to optimize SEO strategies with Semrush and Google Ads Planner

Biomedical Research Assistant

November 2016 - September 2017
Taiwan

Chang Gung University Department of Electrical Engineering

- Integrated MATLAB programs to process 3D medical images, visualized the vascular stent in 3D
- Customized convolutional neural network models with TensorFlow for object classification

Education

Master of Science in Power Mechanical Engineering

September 2017

Bachelor of Science in Power Mechanical Engineering

June 2015

National Tsing Hua University

Taiwan