Lemuel Lin

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Skills

Languages	HTML, CSS, JavaScript
Technologies	React.js, Node.js, MongoDB, Firebase, Tailwind, Bootstrap
Tools	Git, GitHub, NPM, Webpack, Jest, REST API, ESLint, MATLAB

Projects

Monogram - Instagram Clone   *GitHub / Live*
React | React Router | Firebase | Bootstrap | REST API
- An Instagram clone incorporated 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

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), unit tested game logic with Jest
- Used OOP factory pattern to define game board objects and methods

Portfolio   *GitHub / Live*
React | Tailwind
- Architected React.js to display each section as a separate component to easily update information
- Designed a fully responsive site with a mobile-first approach using Tailwind

Work Experience

Application Engineer   October 2018 - Present
TCT Circuit Supply   Placentia, CA
- Generated and documented over 200 test procedures and post-test data analysis to optimize PCB drill process
- Provided customer service for over 70% of drill shops across US
- Collaborated with an engineering team of 5 remotely, beta-tested an IoT warehouse system
- Spearheaded a material cost-saving project, which saved 65% of material costs with improved drill quality
- Programmed CNC drilling machines, performed drilling, routing, and hole accuracy measurements
- Audited 10 drilling machines, 50+ spindles, analyzed process robustness, and machine reliability

Biomedical Research Assistant   November 2016 - September 2017
Chang Gung University Department of Electrical Engineering   Taoyuan, Taiwan
- Integrated MATLAB programs to process 3D medical images, retrieved the vascular stent and rotated in 3D view
- Customized convolutional neural network model to classify objects using TensorFlow

Technical Marketing Intern   July 2015 - August 2015
Ford Motor Company   Taoyuan, Taiwan
- Led an engineering project to refine the backseat ergonomic design of model Escape
- Conducted market research to enhance Ford's brand image by innovating the customers experience

Education

Master of Science in Power Mechanical Engineering   September 2017
Bachelor of Science in Power Mechanical Engineering   June 2015
National Tsing Hua University   Hsinchu, Taiwan
- Ranked 33rd in Engineering Technology from 2018 QS Ranking (CMU ranked 31, UCLA 35)