

Howard Leung Web Developer

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Skills

- **LANGUAGES:** HTML5, CSS3, Javascript (ES6), Typescript, JSX
- **FRONT-END:** React, Angular, Bootstrap
- **BACK-END:** NodeJS, Express, MongoDB, Firebase Storage
- **OTHER:** NPM, Git, Github, Command line, Heroku, Squarespace
- **PROBLEM SOLVING:** Debugging, troubleshooting, researching solutions

Projects

ANGULAR
NGRX
NODEJS
EXPRESS
MONGODB
FIREBASE

Creative Studio - <https://deckbuilder2.herokuapp.com/>

Creative Studio is a presentation-builder SPA that combines Google Fonts and Pixabay Image libraries. It handles exporting of user-created content to PNG and PDF formats. Users can save their presentations online to view or work on at any time from anywhere.

SKILLS LEARNED:

- **ANGULAR BASICS:** Typescript, components, modules, services, httpClient, routing, 2-way binding
- **STATE MANAGEMENT:** ngrx - actions, reducers, and immutable state
- **ARCHITECTURE:** Separation of business logic and UI logic, implementation of external APIs and libraries, asynchronous code (callbacks and promises), dependency injection
- **UI:** CSS flexbox, CSS grid, resizable panels, system dialogue, responsive layout, media queries
- **SECURITY:** JSON web tokens, password encryption, securing of API keys
- **DATA:** Handling of user uploaded image files, saving to Firebase, parsing JSON

REACT
REDUX
BOOTSTRAP
NODEJS
EXPRESS
MONGODB
FIREBASE

Twitter Clone - <https://twitter-clone-mern.herokuapp.com/>

Twitter Clone is a full-stack application based on the popular web app, Twitter. Users can post tweets, "like" and reply to tweets, follow other users, change their privacy settings, and customize their profiles.

SKILLS LEARNED:

- **REACT BASICS:** JSX, lifecycle hooks, routing, passing data through state and props
- **STATE MANAGEMENT:** Redux - actions, reducers, and immutable state
- **ARCHITECTURE:** Reusable components, "smart" vs "dumb" components
- **UI:** Bootstrap, responsive layout

ANGULAR
NODEJS
EXPRESS
MONGODB

GameTrader - <https://gametrader.herokuapp.com/>

GameTrader is full-stack application that manages a mock video-game-trading club. Users can view other users' available games and initiate "trade requests".

SKILLS LEARNED:

- **FULL STACK BASICS:** Setting up dev environment, client/server/database relationship, CRUD functionality, creating database schemas, build/deployment procedures, browser dev tools, Git/Github
- **SERVER:** REST API, GET/POST/PUT/DEL, saving to/fetching from database, JSON response to client
- **CLIENT:** Making http requests with body/params/headers, parsing JSON and displaying to the UI, saving data to the browser's session storage and local storage
- **UI:** Basic design concepts, navigation menus, form validations, responsive layout, Flexbox, media queries

Education

University of Hawaii at Manoa / Shidler College of Business

AUGUST 2010 - MAY 2014

BBA Entrepreneurship