Howard Leung Web Developer

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Skills

- HTML5, CSS3, Javascript (ES6)
- React, Angular
- NodeJS, MongoDB, Firebase Storage
- Bootstrap, NPM, Git, Heroku
- Debugging and troubleshooting

Projects

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

REACT
REDUX
BOOTSTRAP
NODEJS
EXPRESS
MONGODB
FIREBASE

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

SKILLS LEARNED:

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

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

ANGULAR
NGRX
NODEJS
EXPRESS
MONGODB
FIREBASE

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
- STATE MANAGEMENT: ngrx (Redux pattern)
- ARCHITECTURE: Separation of business logic and UI logic, implementation of multiple external APIs and libraries, asynchronous code (callbacks and promises), dependency injection
- UI: CSS flexbox, CSS grid, resizable panels, responsive layout via media queries
- SECURITY: JSON web tokens for user authentication, password encryption, safely storing API keys
- DATA: Handling of user uploaded image files, saving to Firebase

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

ANGULAR
NODEJS
EXPRESS
MONGODB

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
- 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 via Flexbox and media queries

Education

University of Hawaii at Manoa / Shidler College of Business

AUGUST 2010 - MAY 2014

BBA Entrepreneurship