# 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
- **PROBLEM SOLVING:** Debugging, troubleshooting, researching solutions

## 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, 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

### 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, 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

### 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, 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