

daniel chu | web developer

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work experience

Web Developer, noti-fire

March 2021 - Present

- Developed a **full-stack** web app which notifies users when new listings from online marketplaces such as eBay are uploaded and includes a user dashboard, search query management, and user authentication
- Utilized **React**, **Redux**, and **TailwindCSS** to build a quick and responsive single page web application
- Integrated **third-party APIs** for app functionality such as Stripe for billing and Discord for notifications
- Built an **API** using **Node.js** and **Express** to access user information from a **MongoDB NoSQL** database
- Implemented **HTTP** request monitoring and request error retry scripts in **Node.js** to manage data collection

UI/UX Designer & Consultant, Archived.co

August 2020 - November 2020

Website Redesign and Mobile Application Ideation

- Designed website and mobile app **UI mockups** for a prospective online marketplace using **Adobe XD**
- Mapped out **information architecture** and **user experience flowcharts** for web and mobile application
- Compiled a **style guide** with development specifications such as component sizes and application colors

Undergraduate Researcher, B2K Lab at UC Riverside

April 2019 - June 2020

- Coordinated with UCR Professors and PhD students to develop an innovative DNA synthesizing technology
- Programmed 3D simulations of fluid-particle interactions within the DNA synthesis system, including custom functions to control system parameters such as fluid velocity using **C++ language**

personal projects

Tech Center - E-Commerce Website | techcenterapp.herokuapp.com

- Developed a **full-stack** e-commerce application with cart/checkout functionality, **Paypal API** integration for payments, admin/customer accounts, user and product management, and back-end user authentication
- Created a responsive, quick-loading single page application using **React**, **React Router**, and **Bootstrap**
- Integrated a **Redux** store with **Thunk** to manage global state such as user and search query information
- Built a **RESTful API** using **Node.js** and **Express** to access user info from a **MongoDB NoSQL** database

Cryptocurrency Tracker Project | dann-y.github.io/crypto-viewer-react

- Developed an application which displays data from 100+ cryptocurrencies via the **CoinGecko API**
- Utilized **React**, **React Router**, **Sass**, and **TailwindCSS** to develop a mobile-first, single page web app
- Created a cryptocurrency watch-list functionality using **Redux** state management and local storage

Personal Portfolio Website | danny-chu.com

- Developed a fast-loading one page portfolio website to document personal engineering work using **Gatsby.js**, **React**, **React Hooks**, **HTML**, **CSS**, and **Javascript** and designed using **Figma**
- Reduced page load (First Contentful Paint & Time to Interactive) to **<1s** by optimizing video/asset sizes

education

B.S. Bioengineering, University of California, Riverside

Fall 2016 - Spring 2020

technical skills

Languages: HTML, CSS, Javascript (ES6+)

Frameworks: React.js, Sass, jQuery, Express.js, Bootstrap, TailwindCSS, Gatsby.js, Three.js

Tools/Technologies: Git / Github, Redux, Node.js, MongoDB, JWT, Netlify, Heroku

Design Software: Figma, Sketch, Adobe XD, Adobe Photoshop, Adobe Illustrator