Daniel Chu
Software Engineer
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EDUCATION

B.S. Bioengineering, University of California, Riverside   *Fall 2016 - Spring 2020*

PERSONAL PROJECTS

Full-Stack E-Commerce Website | techcenterapp.herokuapp.com
- Developed a **full-stack** e-commerce application with complete cart/checkout functionality, Paypal **API** integration for payments, admin/customer accounts, product management and back-end user authentication
- Utilized **React, React Router,** and **Bootstrap** to build a quick and responsive single page web application
- 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**
- Implemented a mobile-first, single page web design using **React, React Router, Sass,** and **TailwindCSS**
- Created a cryptocurrency watch-list functionality using **Redux** state management and local storage

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

WORK EXPERIENCE

Web Developer, noti-fire   *March 2021 - Present*
- Developed a **full-stack** web application which notifies users when new listings from eBay are uploaded and includes Discord bot integration for notifications, customizable search management, and user authentication
- Integrated **third-party APIs** for app functionality such as Stripe for billing and eBay for product information
- Created a responsive, quick-loading single page application using **React, Redux,** and **TailwindCSS**
- Built an **API** using **Node.js** and **Express** to access product/user information from a **MongoDB** database

UI/UX Designer & Consultant, Archived.co   *August 2020 - November 2020*
- Designed website and mobile app **UI mockups** for a prospective online marketplace using **Adobe XD**
- Mapped out **information architecture** and **user experience flowcharts** for website and mobile application
- Compiled a **style guide** with development specifications such as text/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**

TECHNICAL SKILLS

Languages: HTML, CSS, Javascript (ES6+)
Frameworks: React.js, Gatsby.js, Sass, jQuery, Express.js, Bootstrap, TailwindCSS, Three.js
Tools/Technologies: Redux, Thunk, Node.js, MongoDB, JWT, Git / Github, Netlify, Heroku
Design Software: Figma, Sketch, Adobe XD, Adobe Photoshop, Adobe Illustrator