

Frederick Nguyen

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Education

University of Las Vegas, Nevada

Bachelor's of Science in Computer Engineering, Dean's List 2018-2022 (*Cum Laude*)

August 2018 - May 2022

GPA: 3.85/4.00

University of Pennsylvania, Philadelphia, PA

Master's of Computer Science and Information Technology (MCIT)

August 2023 - Present

Technical Skills

Programming Languages: HTML5 | CSS3 (BEM) | SCSS | JavaScript ES6+ | Python | Typescript | C++

Frameworks: Next js | Material-UI | React Native | Redux

Technology: React (+hooks) | NPM | Git | Yarn | React dev tools | Firebase v9 | Chartjs | BitBucket | Github

Experience

Frontend Developer Intern | Frontend Simplified

May 2023 - August 2023

- Transformed a completely static HTML, CSS, Javascript and React single page application into an interactive user interface using animations, transitions and carousels.
- Processed **API Request** with Axios to dynamically represent data from a cloud server and represent it.
- Utilized **Git Version control** and the **GitHub** interface to work and thrive in a virtual and **collaborative team environment**.

Computer/Electrical Engineering Lab Assistant | University of Las Vegas, Nevada

Sept 2021 - May 2022

- Tutored **100+** students Verilog, VHDL, **C++/C**, MIPS, RISC-V.
- Simplified difficult concepts including **PCB Design**, **Circuit Design**, and **HDL Programming**.
- Taught debugging best practices for Design Time and Run Time using **Quartus** and **LTSpice**.

Projects

E-Portfolio | Tools: [HTML, CSS, JavaScript] [Website](http://frednguyen.dev)

- Designed, developed, and hosted my e-portfolio using semantic HTML5 and CSS3 (+BEM)
- Dive into my portfolio to see all my recent projects! [frednguyen.dev]

E-Commerce Website | Tools: [HTML, CSS, JavaScript, React]

- Worked with a **designer** and revamped the site using React js (**+hooks**) and CSS3 (**+BEM**)
- Improved website performance by **compressing**, **caching**, and **lazy loading** images and components
- Included **SEO**, **responsive**, **multi-platform**, and **skeleton loading states** to improve user experience

CryptoConnect Application | Tools: [HTML, CSS, JavaScript, React, Firebase (Firestore + Auth), Material-UI]

- Implemented **Authentication**, **Skeleton Load State**, **LocalStorage**, and **Hooks**, for handling and displaying user data, resulting in an **increase in user satisfaction**.
- Engineered the responsive, multi-platform, and **SEO-friendly** site in **5 days** using **JSX**, **SCSS**, **Context API**.

Forkify Recipe App | Tools: [HTML, CSS, Vanilla JavaScript]

- Integrated a bookmark and favorites system, allowing users to save and categorize their preferred recipes for easy access..
- Incorporated a dynamic ingredient-based search feature, enabling users to find recipes.

Hulu Clone | Tools: [HTML, CSS, JavaScript, React, Next.js, Tailwind CSS]

- Improved website performance by compressing, caching and **lazy loading** images and components.
- Fetched data from mock **API** to allow users to view categories of Movies and TV Shows.

PyroPortal (Search Engine Website) | Tools: [HTML, CSS, JavaScript, React, Next.js, Tailwind CSS]

- Fetched Data from Google Search API to display search results.
- Implemented **state management** with React hooks and **Context API**.