

Francis Nguyen

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EDUCATION

California State Polytechnic University, Pomona

Pomona, CA

Bachelor of Science in Computer Science | GPA: 3.75

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Relevant Courses: Object-Oriented Design and Programming, Design and Analysis of Algorithms, Data Structures

PROJECTS

Instagram Clone

- Emulated the Instagram website with the use of **React** and **Chakra UI** for frontend and **Firebase** for backend
- Allowed users to create an account, search and follow other users, make posts and comments, and customize their own profile
- Implemented **email** and **Google authentication** for sign in/signup
- Constructed custom React hooks for state management and to fetch/update Firestore information

Pokemon Web App

- Designed and created a Pokemon app with **React** where the user can search and view Pokemon details
- Leveraged **Axios** to fetch and display comprehensive Pokemon information (names, stats, sprites)
- Improved app responsiveness through media queries, achieving a smooth experience across various devices

NFT Marketplace

- Transformed a completely static **HTML**, **CSS**, **JavaScript**, and **React** single page application into an interactive user interface using animations, transitions, and carousels
- Processed API requests to fetch data from a cloud server and represented it through skeleton loading states, pagination, and dynamic routing
- Applied **Git** version control and the **GitHub** interface to practice in a virtual and collaborative team environment and work with an existing codebase

CPP Business Search Engine

- Co-developed a **Python** and **Flask**-based search engine with a team of four for the Cal Poly Pomona business department, enhancing the search efficiency of faculty research work
- Engineered a web scraper with **BeautifulSoup** to store target faculty pages in **MongoDB**
- Performed parsing, indexing, and ranking to return relevant results based on the user's query

Ecommerce Store

- Primarily focused on frontend development using **React**
- Created user interfaces and routing for product listings, shopping cart page, and login/signup page
- Managed product information in **MongoDB** with ability to add, remove, and view products available in an admin panel

TECHNICAL SKILLS

Programming Languages: HTML, CSS, JavaScript, Python

Technologies/Frameworks: React.js, Node.js, Firebase, MongoDB

Developer Tools: Git, GitHub