Lam Nguyen

lam08ng@gmail.com
(512) 993-4593

Personal Website
Github

WORK EXPERIENCE

NGINX   San Francisco, CA
Software Engineer 1   *Sept. 2023 - Present*

- Developing the front-end and CI/CD for our enterprise documentation site using **Hugo**, vanilla **Javascript**, **HTML** and **CSS**, and **Github Actions**.
- Developed the front-end for our NGINX One Config Assistant chatbot using **Vite**, **Styled Components**, and **Vitest**.
- Leading initiatives around dependencies such as **Adobe Analytics**, **Coveo**, and **Qualtrics**. This includes developing, maintaining, and frequent cross-collaborating with external teams for alignment.
- Reduced number of bug tickets filed by building rigorous testing with **Playwright** to locate browser defects before they are merged, improving engineer and customer experience.
- Reduced cost and improved customer experience by investigating, prototyping, and building a self-hosted **Typesense** search experience to replace our current search solution.

BMW Group   Mountain View, CA
Software Engineer Intern   *Jan. 2022 - Jun. 2022*
                                                                                             Jun. 2023 - Aug. 2023

- Developed a cross-platform connectivity solution enabling media sharing from **iOS** devices to **Android**-based head-units via **Bluetooth Low Energy**.
- Contributed to filing a **published patent** for the underlying methods and in-vehicle interaction for the above project.
- Improved decade-old internal vehicle web app to use modern and easier-to-maintain tools like **React**, **Styled Components**, **Express** with **TypeORM**, and **PostgreSQL**, all composed with **Docker**.
- Initiated a formal onboarding and development guide to establish software best practices in an office without existing documentation or software culture.

PROJECTS

Portfolio Website — *Vite, Tailwind, ThreeJS*:

- Publicly hosted web app utilizing **Vite** and **Tailwind** as the foundation, and **ThreeJS** and **React Spring** to provide the interactions and fluid animations.
- Built automated CI/CD for app building and testing, and integrated **pre-commit** hooks for consistent upstream development.

All Keys — *Swift, UIKit*:

- Published iOS app (now taken-down) for a password manager with auto-fill.
- Leveraged Apple's Keychain Services to securely store credentials using AES-256-GCM encryption.

HalfModalViewController — *Swift, UIKit*:

- Published **CocoaPods** for a highly customizable half-modal view controller for **UIKit**.

SKILLS

Languages: Typescript, Javascript, CSS, HTML, Swift, Python
Technologies: React, Vite, NextJS, Hugo, Playwright, Docker, SwiftUI, UIKit

EDUCATION

Texas A&M University   College Station, TX
B.S. in Computer Science   *Aug. 2019 - Aug. 2023*