

NGUYEN PHUC TRAN (SACRAMENTO, CA)

Software Engineering

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SUMMARY

I am a Software Developer specializing in full-stack web, mobile development, and AI-driven applications, with expertise in Swift, React, Next.js, Python, and real-time streaming solutions. Experienced in designing, training, and deploying custom AI models leveraging Mediapipe and UNIK to enhance user-centric applications. Passionate about solving complex challenges through innovative technologies, collaborative development, and continuous learning.

CORE SKILLS & TOOLS

- **Programming:** Swift (SwiftUI, UIKit), JavaScript, TypeScript, Python, Java, C++
- **Frameworks:** React, Next.js, Node.js, FastAPI, React Native, Mediapipe, UNIK AI
- **Database:** SQL, NoSQL, AWS S3, Supabase
- **Tools & platforms:** Xcode, VSCode, GitHub, Jira, Figma, AWS Amplify, Draw.io, Visio
- **Methodologies:** Agile/Scrum, API Integration, Version Control (Git).
- **Specialties:** WebRTC Streaming, Real-Time Data, Cross-Platform UI

EXPERIENCE

- **iOS Developer-Front End: FANFLY (10/2023- 12/2024)**
 - **Built** and **iterated** the first iOS application connecting fans and artists, focusing on highly modular UI components.
 - **Reduced** development time by creating reusable code snippets and templates, streamlining future feature implementations.
- **iOS Developer Intern | Scoop Inc (05/2023 – 09/2023)**
 - Implemented **front-end** features in both **SwiftUI** and **UIKit** while adhering to design specifications in Figma.
 - Integrated APIs using **PromiseKit** and **Alamofire**.
- **Full-Stack Developer – NeuroSpring Hospital Camera Project (02/2025 – Present)**
 - Developed a full-stack camera streaming application for real-time patient posture and movement detection in ambulances.
 - Built responsive web and embedded UI using **React**, **TypeScript**, **Python**, and **OpenCV** for both browser-based and Raspberry Pi camera integration.
 - Designed and implemented backend services with **FastAPI** and **Supabase** to manage RESTful APIs and SQL data storage.
 - Integrated **MediaPipe** to extract human body landmarks and implemented **UNIK**, a custom AI model, to classify and analyze patient movements from captured data

PROJECTS

- **Portfolio Website** – Designed a personal website to showcase projects and technical writing using **Next.js** and **TailwindCSS**. - [Web Portfolio](#)

EDUCATION

California State University, Sacramento – *Expected Graduation: 12/2025 (BS - Computer Science)*