

Samuel Persinger

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Summary

Full-stack developer with 4+ years of internship experience across mobile (React Native), web (React), and embedded systems. Proven ability to ship in production environments and work across the stack from hardware APIs to cross-platform mobile apps.

Work Experience

SIL4 Systems • Software Development Intern (Paid)

June 2025 - Current

- Led full-stack migration of company website from WordPress to React, improving performance and maintainability.
- Engineered a REST/backend API and frontend for an embedded Linux device's internal web server, enabling remote device management.
- Developed internal infrastructure tooling that allowed us to ensure ML models gave proper output.
- Prototyped an AWS backend prototype for a telemetry computer.
- Built and evaluated ML vision prototypes for light rail safety applications, contributing to early-stage R&D on real-time detection systems
- Utilized Large Language Model (LLM) tools, such as Claude, Gemini, Cursor, etc, as a force multiplier resulting in projects being completed 25% faster than traditional methods.

Coding with Kids • Coding Instructor

June 2024 - August 2024

- Taught programming fundamentals to children ages 5–7 in a structured classroom setting
- Designed and delivered lesson plans while providing weekly progress updates to parents

Truefit • Software Development Intern (Paid)

June 2021 - August 2023 (Summers)

- Developed cross-platform iOS and Android mobile applications using React Native
- Managed application state using Redux, Mobx, and Context API.
- Worked on projects for notable companies, such as CharBroil and their IOT Grill
- Diagnosed and resolved rendering and performance issues across iOS and Android

Projects

Morpha – React Native Mobile Application - 2024

- Built a mobile client for Lemmy (a federated, open-source Reddit alternative) using React Native and TypeScript
- Implemented core social features including post feeds, threaded comments, and upvote/downvote functionality
- Integrated with the Lemmy REST API to fetch and display user data and community content
- Configured build tooling with Babel, Prettier, and EAS for cross-platform iOS and Android deployment

Pomodo - C++ / Qt Desktop Application - 2025

- Built a Pomodoro timer with an integrated to-do list, allowing users to track tasks completed during work sessions.
- Implemented local save functionality to persist tasks and session state across application launches.
- Designed and developed the full UI using Qt Widgets and Qt Creator.

Self Hosted LLM – Ollama / Nginx reverse proxy - 2026

- Set up a self hosted LLM using Ollama and OpenWebUI for personal tasks.
- Used an Nginx reverse proxy to make it available and secure.
- Only allowed access to the web server through a P12 certificate that clients must present.

Skills

Technical Skills

- Front-End: React & React Native, Typescript, JS, JSX, CSS, HTML, iOS Development
- Back-End: .NET, C#, SQL, C, C++, PHP
- Other Skills: Python, Java, Photoshop, Illustrator, Linux, BASH, Git, Jest, Redux, AI, ML

Education

Pennsylvania Western University – California
BS in Computer Science, Minor in History

Activities:

- Phi Gamma Delta Fraternity Chi Rho Chapter
 - President (2024-2025)
 - Scholarship Chair (2023-2024)
 - Recording Sec. (2023-2024)
- Underground Open Mic Club
 - Treasurer (2023-2024)