**Alexander Wagner**  
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[Portfolio](https://alexswagner.github.io/): https://alexswagner.github.io   
[GitHub](https://github.com/AlexSWagner): https://github.com/AlexSWagner

**Professional Summary**

I’m a skilled and versatile software developer with experience bringing Android applications from concept to production, including full lifecycle ownership across design, implementation, testing, deployment, and maintenance. I have a strong foundation in software engineering, currently pursuing a Bachelor’s degree with graduation expected in October 2025. My experience spans the full SDLC, with hands-on development in Android (Jetpack Compose, Kotlin), game development (Unity, C#), and full-stack web applications. I'm passionate about building polished, user-centered software, and I bring a strong attention to clean code, performance optimization, and scalable architecture. I’m seeking a remote position where I can contribute to impactful software projects and grow in mobile, web, or game development.

**Technical Skills**

**Languages:** C++, C#, Java, Python, Kotlin, JavaScript, HTML, CSS  
**Tools/IDEs:** Android Studio, Visual Studio, Eclipse, VS Code, PyCharm, GitHub, Unity, Powershell, Cursor  
**Frameworks & Libraries:** Jetpack Compose, Hilt, .NET Core, ASP.NET, Spring, Retrofit, Room, Firebase, ExoPlayer, Dash  
**Databases:** MySQL, MongoDB, Firestore  
**Practices:** Agile Development, MVVM Architecture, Unit Testing, Test Automation, SDLC, Clean Code, Git, Android Debugging Tools (Logcat, Breakpoints, Profiler)  
**Specialties:** Android Application Development, Unity Game Development (C#), Client/Server Architecture

**Education**

**Bachelor of Science in Computer Science – Software Engineering**  
Southern New Hampshire University | Expected Graduation: October 2025  
GPA: 3.6

**Projects and Experience**

**XelaBooks – Premium Audiobook Player for Android**  
Designed and developed a user-focused Android audiobook player app using Kotlin and Jetpack Compose. XelaBooks supports audiobook imports from Google Drive, OneDrive, and local storage. Features include metadata enrichment from Google Books and Open Library, advanced bookmarking, custom theming, and a robust playback experience powered by ExoPlayer. Firebase integration enables cloud sync and user data backup. Built on a scalable MVVM architecture, the app emphasizes clean code, performance, and accessibility.

**Folder Encryption Software**  
Built a secure, open source folder encryption tool in Python using AES encryption with PBKDF2 and salt generation. Developed a user-friendly GUI with reliable error handling to support safe file operations. Available publicly on GitHub for transparency and reuse.

**PC Performance Monitor**  
Created an open source, real-time PC monitoring application using C# and Windows Forms. Integrated LibreHardwareMonitor to collect and display system metrics such as CPU, GPU, RAM, and disk usage with temperature readouts. Focused on efficient system resource usage and clear UI for daily use.