

Hunor Zoltáni

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EDUCATION

Babeş-Bolyai University

B.Sc. in Computer Science

Cluj-Napoca, Romania

Aug. 2025 – Jun. 2028

EXPERIENCE

Independent iOS Developer

Self-Employed

2024 – Present

Romania

- Developed and published iOS applications using Swift and SwiftUI
- Integrated iCloud, on-device AI, and third-party APIs across multiple applications
- Managed the full product lifecycle from design and development to testing and App Store distribution

PROJECTS

(Not) Lost | *Swift, SwiftUI, AVKit, Observation*

Apple Swift Student Challenge Winner, 2025

- Implemented and visualized DFS, Dijkstra's, and A* pathfinding algorithms on an interactive grid
- Built interactive maze customization with randomized configurations, adjustable animation speed, and audio feedback

Huffman Archiver | *x86 Assembly, NASM, Win32*

2026

- Implemented Huffman coding for file and directory compression and decompression in 32-bit x86 Assembly
- Built a custom archive format with file metadata, Huffman code tables, and compressed data, using Win32 APIs for file and directory handling

TECHNICAL SKILLS

Languages: Swift, C++, C, Assembly, SQL

Frameworks: SwiftUI, Foundation, SwiftData

Developer Tools: Git, Xcode, VS Code, NASM

Platforms: iOS

AWARDS

- Winner, Apple Swift Student Challenge, 2025

LANGUAGES

- Hungarian: Native
- English: Cambridge C2 Proficiency