

EDUCATION

Bachelor of Science (BS) in Computer Science

Eastern Washington University

Mathematics Minor

Expected May 2027

- **Languages:** Swift, Objective-C, C/C++, JavaScript, TypeScript, Python, Rust, Java, Nix
- **Core OS & Systems:** macOS/iOS, reverse engineering, kernels, operating systems, runtime mods
- **Technologies & Tools:** Xcode/xcodebuild, AppKit/SwiftUI, XPC, Unix, Makefile (custom recipes: `make build/test/crashlog`), GCD, `async/await`, Instruments, LLDB/Clang

PROFESSIONAL EXPERIENCE

Information Technology Specialist

Eastern Washington University, Cheney, WA

Jun 2025 - Present

- Tier I remote support; logins/passwords, connectivity, software/hardware; Freshservice tickets

Information Technology (IT) Consultant

University of Montana IT Help Desk, Missoula, MT

Sep 2020 - Oct 2020 | Oct 2024 - Jan 2025

- Tier I phone support; printers; Wi-Fi; TeamDynamix; shadowing; monitoring

PROJECTS

Apple Sharpener (100+ ★)

macOS Window/Dock Corner Radius Tweak

 GitHub

2024 - Present

- Universal builds (`x86_64`, `arm64`, `arm64e`); CLI · robust debugging · Instruments profiling
- Objective-C/AppKit method swizzling (`corners/titlebar`)
- Early runtime arbitrary code injection

macwmfx (30+ ★)

macOS Window Manager Effects Framework

 GitHub

2024 - Present

- Client-server: injected agent · XPC CLI
- JSON config; whitelist/blacklist; one-command `-reload`
- Configurable borders/transparency/blur/shadows · GCD worker queues; profiled with Instruments

TintedThemingSwift

Swift Package: Base16/Base24 Theming API

 GitHub

2024 - Present

- Cross-platform targets (iOS, macOS, watchOS, tvOS)
- `Async/await` theme loading; network/local cache; profiled with Instruments
- Semantic color API; composable theme maps

Whisperer

Apple Watch Application (App Store submission in progress)

 GitHub

2023 - Present

- Secure proxy + client-server API (Vercel/NodeJS)
- `Async/await` streaming speech pipeline: Whisper STT and TTS
- GCD worker queues; UI updates on main
- Theming via TintedThemingSwift (Base16/Base24)

TintedMac

macOS System-Wide Color Scheme Tweak

 GitHub

2025 - Present

- SwiftUI/AppKit theming via TintedThemingSwift; `async` config load; main-thread UI updates
- Opt-in tinting; TOML config; app filtering
- Base16/Base24 semantic mapping