

# Alex Spaulding

Systems Software / Apple Platforms / Compositors  
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## SUMMARY

Computer Science student at Eastern Washington University. Founder of Wawona, a native Wayland compositor for macOS, iOS, and Android. Also build macOS and iOS runtime tooling, reverse-engineering tools, and Nix infrastructure. Seeking internships or full-time as a Systems Software Engineer, Platform Engineer, or Developer Tools Engineer.

## EDUCATION

**Bachelor of Science (expected 2027), Computer Science, Eastern Washington University** 2022-2027

## EXPERIENCE

**Founder and Lead Engineer, Wawona** 2025-present

- Open Source
- Native Wayland compositor for macOS, iOS, and Android (200+ stars): Rust core, Metal and Vulkan, UniFFI, Nix toolchain, TestFlight.
  - On-device shell and userland, Wayland graphics compatibility (GBM, EGL, ANGLE), Waypipe remote apps.

**Assembly Technician, Sunburst Sensors** 2022-2025

- Missoula, MT
- Built and calibrated pCO2 and pH instruments; PCB soldering, firmware updates for 1,000+ microcontrollers, hydrostatic testing.

## SELECTED WORK

**Wawona** 2025-present

Native Wayland for macOS, iOS, and Android (Rust, Metal, Vulkan, Nix) / [github.com/Wawona/Wawona](https://github.com/Wawona/Wawona)

**apple-sharpener** 2024-present

macOS Ammonia tweak for window corner radii (300+ stars) / [github.com/aspauldingcode/apple-sharpener](https://github.com/aspauldingcode/apple-sharpener)

**Whisperer** 2024-present

Voice ChatGPT client for Apple Watch (Swift, watchOS) / [github.com/aspauldingcode/Whisperer](https://github.com/aspauldingcode/Whisperer)

## SKILLS

**Core:** Objective-C, Swift, Rust, C, Nix, macOS and iOS internals, Wayland, Metal, reverse engineering, continuous integration

## AWARDS

- Symposium poster: Native Wayland Compositing on Apple Ecosystems (Wawona) / Eastern Washington University (2026)
- Vice President, Association for Computing Machinery chapter / Eastern Washington University (2026)
- First place, Gonzaga University Hackathon / Gonzaga University (2025)
- First place, Cyber Capture The Flag / The University of Montana (2024)