

Lowell Thoerner

Open Source Developer, Cybersecurity B.S.

 lthoerner.com  contact@lthoerner.com  linkedin.lthoerner.com  code.lthoerner.com

Experience

Fixwise Phone & Device Repair

Feb 2024 - Present

Owner & Operator

Bellingham, WA

- Diagnosis and repair of a wide variety of electronics - especially desktops, laptops, and phones.
- On-site installs of home computing & networking equipment.
- Management of all customer interactions and outreach.

CPR Cell Phone Repair

May 2022 - Feb 2024

Store Manager

Bellingham, WA

- Diagnosed and repaired consumer electronics, including mobile devices, desktops, laptops, and game consoles.
- Managed the purchase, pricing, and sale of refurbished devices and accessories.
- Managed inventory, purchase orders, RMAs, tickets, payments, and warranty claims.
- Developed new systems and procedures to enable accurate and consistent recording of device information, such as establishing standards for ticket note-taking and part ordering.
- Daily work typically included repairing 5-7 phones, along with a game console or a laptop, and recording diagnostic and ticket information for an additional 5-10 devices.

Whatcom Community College

Aug 2022 - Oct 2023

Resident Advisor

Bellingham, WA

- Enforced college and dormitory security policy, including upholding visitor/guest policy and managing physical (key & keycard) access control.
- Ensured that security incidents were properly recorded and reported to Residence Life or Security staff as needed.
- Worked with residents and student conduct team to resolve interpersonal disputes & conduct violations.

Best Buy

Sep 2021 - Jul 2022

Sales Advisor

Bellingham, WA

- Provided individualized customer support and product recommendations for customers based on their situations, in domains including computer hardware and wireless networking.

Education

Western Washington University

Dec 2024

Cybersecurity, Bachelor of Science (GPA: 3.8)

Bellingham, WA

- WWU Cybersecurity Club member (Feb 2022 - Present).
- Awarded Best Presenter for a presentation on the Rush shell project (2023).
- Courses included Secure Software Development, OS Architecture, Pentesting, and Relational Database Security.

Whatcom Community College

Jun 2022

Cybersecurity, Associate of Applied Science (GPA: 3.7; Graduated with Honors)

Bellingham, WA

- Placement on Dean's List for exemplary performance for four consecutive academic quarters.
- Courses included Operating System Management, Security Principles & Fundamentals, Industrial Control System Security, Cisco Networking, and Network Security.

Projects

Ratatui (Collaborative)

github.com/ratatui-org/ratatui

- Terminal User Interface (TUI) framework for immediate & stateful widget management, rendering, and I/O.

Rush (Collaborative)

code.lthoerner.com/rush

- User-focused shell for intuitive and powerful CLI navigation, with plugin system for modularity and extensibility.

SMIS (Personal)

code.lthoerner.com/smis

- Suite of assembly tools for a custom instruction set, including an assembler, disassembler, and CPU emulator.

Homelab (Personal)

- Software development on Proxmox virtual environments, Tailscale tunneling, local DNS & network-layer adblocking, bulk storage and automated backup management with TrueNAS, and media server hosting with Plex.

Skills Summary

Top technologies: Rust, C, Bash, C#, Java, Git/GitHub, Proxmox, Linux

Other technologies: Python, PowerShell, Hugo, MySQL, SQLite, data structures

Top domains: secure software development, project management, technical writing, documentation, communication