

Anden Wickstrand

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SUMMARY

Computer Engineering student with hands-on work in client software, networking, protocol design, and operations. Built and maintain a live commerce system. Current projects include MagicUDP, Network Log Analyzer, Airbit, and MailKnocker.

SELECTED TECHNICAL PROJECTS

- MagicUDP** | *Reliable file transfer over UDP; systems design in progress* 2026-Present
– Designing a reusable Java library that hides sockets, packets, acknowledgements, retries, duplicate detection, and integrity validation behind a focused public API.
– Modeling behavior under packet loss, delay, duplication, reordering, cancellation, retry exhaustion, and uncertain remote completion.
- Network Log Analyzer** | *Java, Swing, UML; team course project* 2026
– Built a desktop workflow for importing, validating, filtering, summarizing, and exporting network traffic logs.
- Airbit and MailKnocker** | *JavaScript, Web Audio, Python, DNS* 2026
– Published an interactive phase-shift-keying visualizer and an installable CLI for checking SPF, DKIM, DMARC, and MX records through DNS.

SOFTWARE AND CLIENT WORK

- Founder** 2026-Present
Sentry Peak LLC Remote
– Build focused software and workflow systems for operational businesses; handle scoping, product direction, implementation, testing, deployment, documentation, and cleanup.
- Independent Software Developer** Sep 2025-Present
Friesian Ranchwear Remote
– Designed, built, deployed, and maintain a live e-commerce system with a Next.js storefront, Stripe checkout, inventory, orders, reviews, email, product administration, PostgreSQL, and Railway.
– Own production fixes, documentation, maintenance, requirements, and plain-language client communication.

EDUCATION

- Salt Lake Community College** Salt Lake City, UT
Associate of Science, Computer Engineering - In Progress
– Coursework and practice in Python, C, NASM, Java, object-oriented design, computer systems, networking, protocol modeling, technical writing, and mathematics.
– Planning to transfer to the University of Utah for a bachelor's degree in Computer Engineering.

ADDITIONAL WORK EXPERIENCE

- Warehouse Associate** Apr 2025-Feb 2026
Amazon Sortation Center
– Processed and sorted packages in a high-volume operation under strict deadlines and quality expectations.
- Online Pickup & Delivery Associate** Sep 2024-Apr 2025; Jul 2026-Present
Walmart
– Rehired into the same role; use Walmart's fulfillment software to monitor queues, pick orders, stage and consolidate totes, process returns, and keep orders moving.
– Resolve missing-item and staging exceptions, reprint labels and paperwork, and correct order-flow problems in a fast-moving retail environment.
- Passenger Service Agent** Mar-Sep 2023
Prospect Airport Services, Salt Lake City
– Provided mobility assistance and guided passengers through time-sensitive airport connections.
- Freight Crew Member** 2023-2024
Cal Ranch
– Worked early freight shifts unloading, stocking, and completing independent floor work.

SKILLS

Programming: Java, Python, C, NASM, TypeScript, JavaScript, SQL
Web and systems: Next.js, React, Node.js, PostgreSQL, Prisma, REST APIs, Git, GitHub, Railway, Docker, Linux/WSL
Working strengths: troubleshooting, systems modeling, technical writing, customer communication, documentation, software delivery