

Jacob Rweteshi

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EDUCATION

Pacific Lutheran University

Bachelors Degree - Computer Science; Minor in Data Science

Tacoma, WA

Feb 2026 – Present

Edmonds Community College

Associates Degree - Computer Science

Lynnwood, WA

Sept 2023 – Dec 2025

EXPERIENCE

Student Network Technician

May 2026 – Present

Pacific Lutheran University

Tacoma, WA

- **System Maintenance:** Learning about the phone switch software and performing light testing on fiber optic lines to maintain peak performance.
- **Hardware Deployment:** Installing and terminating high-speed data cabling (Cat5/6) and deploying Wireless Access Points (WAPs) to optimize signal strength.

ITSM Service Desk Agent

Feb 2024 – Dec 2025

Edmonds Community College

Lynnwood, WA

- Assisting students with campus technology use such as accessing and/or using student and employee WiFi, Triton email, CTCLink, Triton ID access, Canvas, Google Apps, Amazon Web Services (AWS) etc.
- Generate EdPass ID cards for students and employees, and corresponding bus and parking passes.

Information Technology Intern

July 2022 – Sept 2022 | July 2023 – Sept 2023

Engie Energy Access (Africa)

Arusha, Tanzania

- Assisting the IT team in monitoring network performance, identifying connection issues, and performing basic diagnostics (e.g., checking cable integrity, validating Wi-Fi connectivity).
- Documenting, prioritizing, and resolving incoming user support tickets and escalated IT issues via remote tools or in-person service.

PROJECTS

Personal Home Server / Homelab [Docker, Python, Bash, Linux, Tailscale]

- Built and deployed a self-hosted Ubuntu Server environment on dedicated hardware, provisioning containerized services (monitoring, reverse proxying, file management, remote development) using Docker to support always-on personal infrastructure.
- Configured secure remote access and network reachability across devices using a mesh VPN and DNS resolution, achieving reliable cross-device connectivity without exposing public-facing ports.

Usage Monitor — Chrome Extension [TypeScript, Node.js, Docker, Chrome APIs]

- Built a TypeScript/Manifest V3 Chrome extension that tracks Claude.ai usage against session and weekly limits, with configurable multi-threshold alerting across Discord, Telegram, and Slack and de-duplication logic to prevent alert spam.
- Designed a self-hosted Node.js/Docker backend with an installable PWA dashboard for cross-device usage history, and re-architected the extension's data-access model (shifting from automated background polling to a human-initiated default) after reviewing the platform's terms of service ahead of public distribution.

Steward — Self-Hosted AI Assistant [Java, Docker, Discord API, Notion API, Ollama]

- Built a cost-aware LLM router in Java that classifies requests and dispatches across three models (local Llama/Gemma, Gemini) with streaming responses and automatic failover.
- Added natural-language Notion and Discord admin integrations with confirmation-gated safety controls; containerized and deployed via Docker on a self-hosted server.

GatewayAnime [React, TypeScript, Node.js, PostgreSQL, Docker]

- Building an anime recommendation platform for newcomers, pairing a React frontend with a Node/Express API and PostgreSQL database, containerized with Docker and exposed via a Cloudflare Tunnel.
- Designing a tailored recommendation quiz, free-text search, and detail pages with Google OAuth authentication and server-enforced content filtering.

TECHNICAL SKILLS

Languages: Java, Python, C++, TypeScript, SQL, Bash, HTML & CSS

Tools & Cloud: Linux, Docker & Docker Compose, Tailscale, CloudFlare, Git, AWS, Azure, VS Code, IntelliJ

Databases & Frameworks: MongoDB, SpringBoot, PostgreSQL, MySQL, React, Node.js, Flask, Express

AI/ML: TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, Jupyter

Networking: DHCP, LAN/WAN, DNS, Linux/Windows, TCP/IP, VLANs