Matthew

Software Developer | Computer Science Student

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EXPERIENCE

Creator and Sole Developer, Relaxy! 2019 – Present

Independent project | JavaScript, Node.js, discord.js, MongoDB | relaxy.xyz

- Built and run a Discord bot with 160+ public commands in 290+ servers reaching **200,000+ members** (about 175,000 in the official Escape the Backrooms server); it has earned $7,000+.
- Extended discord-hybrid-sharding's cluster manager with custom IPC types and hot reload.
- Cut repeat scam-image checks from about 2.3 s (Tesseract OCR) to about 10 ms with SHA-256 hashes shared across clusters, plus a perceptual hash for near-duplicates; 3,100+ confirmed scams.
- Keep it at 99.88% uptime over 90 days (a prober checks 24 services every 10 s) on a Raspberry Pi 4; wrote a network watchdog that probes REST, gateway, database and DNS and repairs one cluster at a time.

OPEN SOURCE PROJECTS

emoji-mixer | *TypeScript, Python, Rust, Go, PHP, Ruby, C#* github.com/MattFor/emoji-mixer

- **127,000+ downloads** since 2023 (126,000+ on npm) across 7 registries; the npm package is used by 1,200+ GitHub repositories; packed 99 MB of Emoji Kitchen data into 2.9 MB.

Lexiglance | *C++26, Qt 6, ONNX Runtime* github.com/MattFor/lexiglance

- Pop-up dictionary for Linux (X11) and Windows via accessibility APIs and OCR; listed on AppImageHub.
- AI-assisted, reviewed by hand; CI runs 110+ tests on GCC and Clang, sanitizers, clang-tidy and CodeQL.

LogEye | *Python* github.com/MattFor/logeye

- **1,200+ PyPI downloads** (excluding mirrors); logger on sys.settrace and the AST; CI on Python 3.8 to 3.14.

Simple Project Tracker | *Python* github.com/MattFor/simple-project-tracker

- **1,100+ PyPI downloads** (excluding mirrors); CLI with Git repository discovery, frecency lookup, undo and a background daemon; selected for XERJ's Corpus Hub of reference code for coding agents.

ADDITIONAL EXPERIENCE

Community Manager, Fancy Games Oct 2022 – Present

- Rewrote the community's speedrun role bot in Python (aiohttp, MongoDB) on Discord's gateway and REST API.
- Run the official Escape the Backrooms Discord server as main administrator through its growth from 20,000 to 175,000 members; was sole administrator of the game's Steam forums for 3 years, until Oct 2026.

OTHER PROJECTS

AI development setup | *Bash, Rust, Ollama, Claude Code*

- Run Ollama, ChromaDB and SearXNG as services across a laptop, GPU desktop and Raspberry Pi over Tailscale; use Claude Code with custom skills, hooks and multi-agent workflows under written rules for AI agents.

EDUCATION

Computer Science, Cracow University of Technology Expected 2028

- Coursework: POSIX IPC simulation (C++20), neural network from scratch (C++23), numerical methods.

SKILLS

Advanced: C++ (C++20/23/26), Python, JavaScript, TypeScript, Node.js, Bun, MongoDB, Linux and POSIX APIs
Experienced: Rust, C, Bash, OpenGL, CMake, GitHub Actions, Podman, Docker Compose
Familiar: C#, .NET, Go, PHP, Ruby, Qt 6, ONNX Runtime, WebGL2
Tools: Git, Claude Code, Ollama, Tailscale, Caddy, nftables, Tesseract, PaddleOCR
Spoken languages: Polish (native), English (C2: Cambridge C1 Advanced, 204/210), Japanese (learning)