

# Nils Wrenger

Germany | [nils@wrenger.net](mailto:nils@wrenger.net) | [github.com/nwrenger](https://github.com/nwrenger) | [nwrenger.dev](https://nwrenger.dev)

## Education

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**Primary School** Aug 2013 — Jul 2017  
*Completed Primary Education* Germany

**Secondary School** Aug 2017 — Jun 2026  
*German University Entrance Qualification: Abitur* Germany

- Final grade: 1.6

## Work Experience

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**Career Internship** Jan 2024  
Transport and Railway Engineering Consultancy Germany

- Worked on several small projects in Rust and C++
  - Built a UI in Rust with egui and extended a file server API

## Volunteer Work

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**PHV Misburg Website** ([phvmisburg.de](https://phvmisburg.de)) Jul 2023 — Present

- Redesign and maintenance of the new club website

**School Library Software** ([github.com/wrenger/schiller-lib](https://github.com/wrenger/schiller-lib)) Jul 2023 — Present

- New web application (Svelte) with application server (Rust, database using SQLite/JSON)
- Integration into the school management system with login (OAuth2)

## Projects

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**clash** ([clash.nwrenger.dev](https://clash.nwrenger.dev)) Aug 2025

- Web-based online multiplayer game (Rust server & Svelte website)
- Supports up to 30,000 players on basic server hardware through a WebSocket API

**Minecraft Modding** ([modrinth.com/user/nwrenger](https://modrinth.com/user/nwrenger)) Oct 2025

- Development of Java-based mods (Fabric API) and game assets (data packs)

**Open Source** ([github.com/nwrenger](https://github.com/nwrenger)) Nov 2023

- Development of small Rust crates (libraries)
- Contributions to smaller projects (Schulen im Chaos, Skeleton UI Framework)

## Skills

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- **Frontend:** Svelte & React, Tailwind CSS, JavaScript/TypeScript, HTML/CSS
- **Backend:** Servers in Rust & Go, SQL, NGINX, REST, WebSocket, OAuth2, Docker, systemd
- **Desktop:** GUIs in Rust (egui & Tauri), game development in Java
- **Scripting:** Python (school), Jupyter Notebook (data analysis), Bash, Fish
- **Version Control & CI:** Git and GitHub (GitHub Actions)
- **Languages:** German (native), English (full professional proficiency)