Max Reischl

Final-year student, HTL Spengergasse (technical high school, IT) | AI-agent orchestration and evaluation

Vienna, Austria | reischl_max@icloud.com
github.com/Max6617 | Austrian / EU citizen | Open to relocation worldwide and remote work

PROFILE

Final-year IT student at HTL Spengergasse, a five-year technical high school in Vienna. My personal projects focus on coding-agent orchestration, review gates and reproducible evaluation. I run systems that take issues to pull requests through AI agents, policy controls, independent AI review and tests. Seeking an engineering or research-engineering internship or early-career role in AI agents, developer tools or evaluation.

PROJECTS

2026 – present

foreman — self-hosted orchestrator for autonomous coding agents (personal project)

- Python service on a home server that takes tracked issues to reviewed, tested pull requests
- Agents run in isolated worktrees as least-privilege users (no sudo); all forge access goes through a policy gateway (protected paths, allowed branches, no merges)
- CI plus independent AI review; audit trail, kill switch, fail-closed defaults; systemd watchdog and crash-safe dispatch
- ~1,900 unit and integration tests written test-first
- Formally specified the task lifecycle and merge policy in Bend2, with dozens of machine-checked laws (e.g. a stop is never lost) and a conformance test keeping Python in line with the model. Built, going live: merge decisions delegated to a verified Bend2 program that fails closed.
- Stack: Python, Bend2, SQLite, Forgejo / Forgejo Actions, Docker, systemd, Tailscale, Claude Code agents

2026

keelcheck — github.com/Max6617/keelcheck

- Charter-and-audit for projects built with agents: one frozen human-approved original, requirements that name their mechanism or are marked wishes, hashed gates, and an audit that reports divergence

2026

Research: *Six Pitfalls in Measuring the Cost of Coding Agents*

- By Max Reischl and Alexander Feurer. ArXiv preprint forthcoming.
  Ran the experiments and infrastructure with heavy AI assistance; the paper examines pitfalls in measuring coding-agent costs.

EXPERIENCE

08/2024

IT internship, A1 Telekom Austria, Vienna — one month

EDUCATION

09/2022 – 2027

HTBLuVA Wien 5 Spengergasse, Technical high school (Informatik)
Matura + engineering diploma expected 2027

SKILLS

Languages	Java, JavaScript, Python, HTML, CSS
Tools	Git, GitHub, Forgejo, Linux, systemd, Docker, SQLite, Tailscale, IntelliJ, VS Code
AI for coding	Claude Code, Cursor agents, multi-agent orchestration, review and test gates for AI-written code

LANGUAGES

German	Native
English	C1 (PTE Academic 81); IELTS Academic scheduled for November 2026

AVAILABILITY

Open to relocating worldwide (e.g. US, UK, China, Asia) or working remotely. Austrian/EU citizen: can start in the EU without a work visa. Start date flexible.