



Robotics ML Research Engineer

Data and Models

Type : Full-time

Location : Delft, Zurich, or remote

Apply : CV + short note + work links: careers@latentworlds.ai

LatentWorlds is building a **cloud platform for operating, scaling, and continuously improving physical AI systems in the real world**. We also run the loop ourselves to stress-test the stack and build the primitives teams need for **learning at scale**.

The Role

You will lead hands-on robotics and ML work that makes the platform roadmap real. This is **not a paper-only research role**. The output we care about is a loop that runs: collect → curate → train → evaluate → repeat.

Because we are early, you will have **unusual leverage**. The same person can shape how data is captured on the robot, represented in the platform, and turned into datasets, evaluations, and model-facing workflows that users can build on.

What You Will Work On

- **Data collection on real robots:** task design, instrumentation, time sync, and capture policies that survive messy reality.
- **Dataset construction and QC:** define episodes, metadata, versioning, and automatic checks for dropped topics, timestamp gaps, and corrupted payloads.
- **Training and evaluation:** train baseline models, build evaluations that catch regressions, and document what changed between runs.
- **Tight platform feedback:** work with the systems team so retrieval, provenance, and exports match how training actually works.
- **Loop quality:** help create an end-to-end path from robot recording to reproducible datasets, baseline models, and faster iteration.

Who We Are Looking For

We care most about **talent, ownership, and learning speed**. Strong candidates usually show:

- **Depth in robotics or ML**, ideally at PhD level or equivalent in practice.
- **Hands-on work with real robots and real sensor data**, not only simulation.
- Experience **training models from multi-modal data** and diagnosing why they fail.
- Ability to write **production-quality code** for experiments and tooling. Python is fine; Rust/C++ is a plus.
- **Clear communication** about experiments, assumptions, and results.

Bonus points for manipulation learning, data-centric ML, ROS/ROS2 or sensor synchronization work, and CI-for-robots style evaluation loops.

LatentWorlds AI is an equal opportunity employer.