

Melih Kan

// I build tool-using LLM agents and ship them to real users

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user

"Find a student who can build agents that survive production."

resolve_student()

BSc Data Science & Artificial Intelligence — Leiden University

second year · expected 2028

No internships yet. Everything below was built next to coursework, in my own time, because I wanted to find out where agents actually break.

verify_shipped({ project: "silaway" })

PASS

SilaWay — AI travel companion

sole engineer · Jun 2026 – present

Live on the App Store & Google Play · ~900 downloads last month · silaway.app

Not one agent but **four autonomous systems**, each with its own failure mode, cost profile and schedule.

inspect_systems({ project: "silaway" })

4 SYSTEMS

travel agent

15 tools on a bounded tool-use loop — routing, border forecasts, fuel, weather, place-finding from vague language. Voice and text, streaming. I designed the versioned result contract every tool answers through (status · confidence · freshness · cost), and the agent is allowed to **withhold** a border wait time rather than invent one: a gate we have not measured is treated as untrusted, because *"we couldn't measure it"* is not the same as *"it's fine"*.

corridor intel

A Cloud Run service that fans out through Cloud Tasks to the official traffic authorities of **four countries**, then normalises, clusters, trust-scores and writes an LLM report. Its first live snapshot was 45 German roadworks and zero congestion — correct, and useless to a driver. The fix was calibrating severity *across* sources and ranking by traveller value, not confidence.

road reports

A job that mines road-trip videos every 30 minutes: audio → transcript → structured report. A local relevance gate reads the transcript and drops the clip **before the expensive report step**; raw media and full transcripts are never kept, only a hash.

news

A scheduled job that pulls feeds and uses a small model to decide what is actually about *the road* rather than merely about the country.

shared

All model traffic goes through one Cloudflare Worker — no API key ever on the device, per-user and global spend caps, D1 accounting across 24 migrations, an admin dashboard. **An agent with an open loop is an open wallet.**

~165,000 lines TypeScript · 886 commits · two months · sole engineer · Claude Code as daily driver

read_code({ public: true })

98 CHECKS

github.com/MelihKan/agent-harness

MIT · npm test

The app is closed source, so I extracted its pure core: the result envelope, pre-executor input validation, the shared trust core, the turn and charging rules, and the guard that stops a stale summary from replacing a tool call. Each module documents the failure that produced it.

verify_shipped({ project: "dostly" })

PASS

Dostly — AI companion & matching app

mobile client owner · May 2026

team project · Node core API + Python FastAPI matching service

- Built the whole mobile client on my own** — auth, onboarding, companion chat, matches, real-time messaging, profile — one Expo codebase shipping to iOS, Android and web.
- Integrated "Dostie", the LLM companion.** A Python FastAPI service runs an extraction pipeline over the conversation, builds a profile and proposes matches; I owned the client half of that loop and the contract between them.
- Made realtime a progressive enhancement:** Socket.IO over a JWT handshake, falling back to REST polling — chat degrades instead of failing.

check_skills()

strongest

TypeScript — the language I have actually shipped production systems in

backend

Cloudflare Workers, D1, Durable Objects, KV · Firebase Functions & Firestore · REST, SSE, WebSockets

client

React Native · Expo · React · EAS build & OTA release pipelines

ai tooling

Claude Code (daily driver) · Codex · MCP servers · multi-agent workflows and subagent fan-out

check_language({ lang: "python" })

HONEST GAP

Coursework level, not production. I have built against a Python service, but I have never owned one. This is the gap I most want to close, and a large part of why I am applying here rather than somewhere I would already be comfortable.

answer

Ships agents that survive contact with real users — one product built end-to-end alone, one where I owned the whole mobile client. Strongest in TypeScript, and deliberately applying where Python is the bar.

Turkish (native) · English (B2) · available 2+ days/week, long term