EGE DEMIR

demegire@gmail.com ◇ +905326587242 ◇ Istanbul ◇ demegire.github.io
github.com/demegire ◇ linkedin.com/in/ege-demir ◇ x.com/demegire1

Founding engineer who builds and runs LLM agent systems in production. Five years of fine-tuning, evaluating and serving language, speech and video models at early-stage startups.

PROFESSIONAL EXPERIENCE

Emotion Machine — San Francisco, USA
Founding Engineer — *November 2025 - Present*

- First hire at a **Google backed** startup building tin.computer, an autonomous agent that runs engineering and growth work for close to **100 software businesses**
- Lead the **agent-orchestration engine**: a manager agent plans tasks, dispatches **fleets of parallel coding subagents**, verifies their output before it ships and recovers failed runs
- Ran **controlled experiments on agent behavior** (A/A and placebo arms, replicated on two model stacks) and reviewed agent sessions to rank failure modes and fix them in the harness
- Also built Claw Messenger (iMessage lines for AI agents) and with.md (shared markdown documents)

The Twin AI (Alias) — Nashville, USA
Founding Machine Learning Engineer — *April 2024 - July 2025*

- Fine-tuned video models such as WAN on new styles and actions; built voice cloning and lipsync pipelines
- Built a generative ML API on vLLM and Modal which served **tens of thousands of requests a day**

MyPeachAI — Seattle, USA
Founding Machine Learning Engineer — *Oct 2023 - March 2024*

- Aligned open source LLMs for an AI companion serving hundreds of concurrent users, which **drove up engagement more than 50%** compared to base LLMs
- Fine-tuned image models on human likeness, achieving a high degree of resemblance

Bueno — Los Angeles, USA
Part Time Machine Learning Engineer — *Sep 2021 - May 2023*

- Built tools that extend an artist's work in their own style by **fine-tuning Stable Diffusion**, plus the web stack

Summarify — Istanbul, Turkey
Part Time Research Engineer — *Dec 2020 - Sep 2021*

- Developed **state of the art Turkish NLP models**, including a summarization model (mT5 on a novel dataset) that **scored better than humans by ROUGE score**

RESEARCH AND OPEN WORK

Speech model fine-tune: fine-tuned NVIDIA PersonaPlex (full-duplex speech) on synthetic dialogues over about 50 runs with bot-to-bot evaluation; released the checkpoint, presented at the Hugging Face Istanbul meetup

Technical writing: investigations of AI crawler traffic on the Tin blog, two of which reached Hacker News

Reproductions (graded AA): Hypercomplex Multiplications (ICLR 2021), Drop the GAN (CVPR 2022)

Image Text Edit: built and run a service for editing text in images, with hundreds of daily active users

Community: co-founded the METU AI Society (2020-2023) and taught its intro AI course to hundreds of students

EDUCATION AND SKILLS

Middle East Technical University, BSc Industrial Engineering (Operations Research), 3.52/4.00 *2019 - 2023*
Python, C++, PyTorch, vLLM, Hugging Face, Modal, TypeScript, PostgreSQL, AWS, GCP
Turkish (native), English (C2), German (B1)