



Erencan Tatar

AI engineer with a Master AI from the University of Amsterdam, specializing in automating data extraction and building scalable AI pipelines. Experienced in predictive modeling for industrial applications and proficient in PyTorch and MLOps.

github.com/erencantatar

erencantatar.nl

Contact

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Address

Nijkerk, Gelderland

Education

Master AI

University of Amsterdam

Thesis @ Computational Neuroscience Lab @ SILS UvA

2022-2025

Bsc AI

University of Amsterdam

2019 - 2022

Expertise

- Python
- C++
- Azure
- Pytorch (Geometric) / Tensorflow
- NLP / OpenCV
- Claude Code (agent orchestration)
- Docker & coolify

Learning

- CUDA
- React

Passion

AI
Space
Neuroscience
Mathematics

Experience

○ sep. 2021 - apr. 2023

Damen Dredging Equipment

Data scientist | AI engineer (16u/week)

Data scientist and AI engineer specializing in the development and validation of predictive models for critical maritime applications.

- Engineered machine learning solutions dedicated to driving maintenance optimization, enhancing production efficiency, and performing precise parameter estimation.
- Bridged the gap between theoretical AI research and practical industrial implementation by validating algorithms against real-world shipyard data.
- Successfully integrated academic research with applied corporate objectives, culminating in the completion of a BSc Thesis.

Used: MATLAB | C++ | Python | CNN

○ jun. 2023 - Now

Alva Minds

AI engineer | Data engineer

Technical consultant and AI engineer specializing in end-to-end application development.

- Architected robust AI pipelines to extract actionable intelligence from unstructured data.
- Managed end-to-end application lifecycles, developing autonomous agents via LangChain and document retrieval systems via RAG.
- Designed secure MCP servers and implemented comprehensive application security protocols.
- Optimized LLM inference and engineered custom LLM wrappers for scalable integration.

Using: Azure | Python | React | LangChain | Vector indexing & RAG | MCP | Local AI inference optimization

Projects

- erencantatar.nl/projects.html
- github.com/erencantatar
- BSc scriptie Damen Dredging Equipment
- MSc scriptie @ UvA SILS