Ark Deliev

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TVR STUDIOS B.V. | AI Engineer
Mar 2025 – Present | Amsterdam, Netherlands

- Built **real-time speech-to-text transcription and translation system** processing live video streams using **faster-whisper models**
- Engineered **LiveVTT caption platform** delivering real-time captions to **HLS streams** via **Wowza Streaming Engine**
- Optimized streaming infrastructure supporting **4-5M monthly viewers** and international broadcasts
- Developed **RainRAG**, a production-ready multilingual RAG system enabling semantic search over video transcripts and metadata, supporting **4 LLM providers** (Mistral, OpenAI, Claude, Gemini) with advanced features including hybrid search, reranking, and temporal context awareness

SOPRA STERIA NEDERLAND B.V. | AI Research Intern
Feb 2025 – Sep 2025 | Nieuwegein, Netherlands

- Implemented **metadata attribution system** enabling LLMs to cite specific legal sources in generated responses
- Built comprehensive **MLflow experiment tracking** infrastructure for multimodel performance evaluation
- Replicated and extended a **Dutch Law attribution study**, expanding evaluation to **newer embedding models** and **reasoning LLMs**
- Evaluated **15+ models** including OpenAI o1/o3 reasoning, Claude 3-4 Sonnet series, Gemini/Gemma families, Mistral models

EDION MANAGEMENT SYSTEMS V.O.F. | Co-Founder & CEO
Jan 2023 – Nov 2025 | Amsterdam, Netherlands

- Founded EdTech startup developing **AI-driven platform** reducing teacher workload by up to **8 hours/week**
- Conducted **300+ user interviews** and extensive feasibility research to validate product-market fit
- Led development of web application using **React, TypeScript, Vite, and Tailwind CSS**
- Created and processed **educational dataset** with **100K+ lines** for AI model training
- Finished **VentureLab Noord** with **the highest rating in cohort**; pitched to **Techstars SF & NYC**
- Secured **€20,000 Dutch MIT Innovation grant** for LLM integration research in educational tools

THE FUGLY MAGAZINE | Technical Lead
Jan 2021 – Jan 2023 | Rotterdam, Netherlands

- Led website redesign increasing page load speed by **60%** and reader engagement by **80%**
- Implemented **A/B testing framework** and analytics tracking to optimize user experience

FUTUREIT YAZILIM AR-GE A.S | Intern
Apr 2021 – Apr 2022 | Istanbul, Turkey

- Authored technical docs for the **Metavault DAO** DeFi protocol
- Developed WordPress landing pages with **15% conversion rate**

EDUCATION

UNIVERSITY OF AMSTERDAM
MSc in Artificial Intelligence
Sep 2025 - Present

UNIVERSITY OF GRONINGEN
BSc in Artificial Intelligence
Sep 2021 - Mar 2025
Thesis: Identified 3 cognitive skill patterns in multiplication learning through computational modeling
BA in Philosophy of Cognitive Sciences
Sep 2023 - Feb 2025
Thesis: Design principles for preserving autonomy in AI-driven educational predictive systems

SKILLS

PROGRAMMING
Python • HTML • CSS • JavaScript
TypeScript • Java • C • R • LaTeX

AI/ML
PyTorch • TensorFlow
Hugging Face • LangChain

WEB DEVELOPMENT
React • TypeScript • Next.js
Vite • Tailwind CSS • Figma

INFRASTRUCTURE
Docker • Kubernetes • Git
MLflow • CI/CD • Linux
FFmpeg • OBS Studio • Ollama

ACHIEVEMENTS

Most Innovative Student in the Netherlands Award 2025
Techstars - interviews with SF & NYC accelerators
Dutch MIT Innovation Grant—€20K
VentureLab Noord - highest rating in the cohort

LANGUAGES

Native: English • Russian
Elementary: Dutch • Slovak • Polish