Luka Ivanković

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Work Experience

Alfatec - Data Scientist   Oct 2025 – Present

- Integrated state-of-the-art technologies into an automated computer vision training pipeline.
- Worked on AI PDF-processing tool for automating workflow and saving time
- Trained LSTMs and other models for time-series analysis

TensorPix - Full-stack Engineer   May 2023 – May 2025

- Engineered and deployed an audio denoising ML model into production.
- Built a video reencoding and compression tool.
- Advanced git with automated testing tools across multiple projects

Ericsson Nikola Tesla - Developer   Oct 2022 – Feb 2023

- Radio software development using Java and C++.

Projects

- Created a full web page for splitting audio stems with a distributed infrastructure and custom ML models on google cloud. The app also supports audio reencoding.
- Fine-tuned embedding models, implemented 3 variations of RAG system and ran comparative analysis on different retrieval methods for optimal chat-bot experience inside a financial app.
- CycleGAN trained on 1,193 Monet paintings for unpaired artistic style transfer.
- Created a CV model for estimating the height of a building from the image.

Competitions

- **Lumen Data Science** - Trained CV models to classify musical instruments from spectrograms (90% accuracy).
- Winner of **AI Battlegrounds Hackathon 2023**; participant in Algotrade Hackathon 2024.
- National Competition in Algorithms 2017; 11th place, 2018; 6th place

Technologies

Python, PyTorch, Django
Huggingface, Vllm, Scikit-learn
JavaScript, TypeScript, Vue.js
Nuxt.js, GCP, AWS
Linux, Git, Docker

Education

Faculty of Electrical Engineering and Computing
2019 – 2025

M.Sc. Thesis
Emulation of Guitar Effects Using Machine Learning

B.Sc. Thesis
Deep Learning for Symbol Recognition inside Computer Game

Interests

Guitar (8+ years), Piano
Strength training, Cycling
D&D, Catan