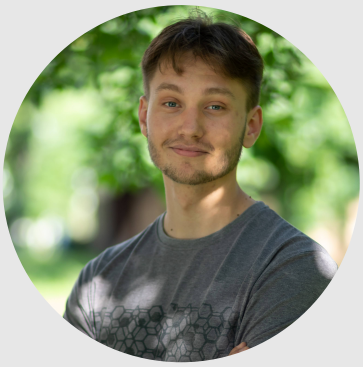

Adam Ropelewski

Machine Learning Developer

Warsaw, Poland

adamropelewski.github.io

adam.ropelewski.kontakt@gmail.com

adam-ropelewski

AdamRopelewski

About me

I am student at SGGW, Faculty of Applied Mathematics and Computer Science, specializing in cloud technologies. I am working on speech generation systems and their integration with RVC (Retrieval-based Voice Conversion) as part of my engineering thesis.

I am interested in ML — especially Computer Vision (YOLO det, YOLO pose), audio processing, and Text-to-Speech. I also have experience developing web applications.

As a hobby, I work with audio production: I record and mix tracks in Reaper DAW, and I also do mastering. I use tools like UVR (Universal Vocal Removal) for vocal separation — I often record amateur covers to practice mixing vocals for non-professional singers.

Languages

Polish (C2 - Native)

English (C1)

Experience

2025 currently — **Data Pre-annotation Specialist — Computer Vision**

- Prepearing datasets for finetuning Computer Vision models
- Optimize data selection for fine-tuning to improve model accuracy in specialized, demanding use-cases
- Automating dataset creation processes

2024 2025 — **C# Developer Intern**

- Built a C# DLL for generating EU energy-label SVG files
- Added value-updating logic and automatic layout adjustments inside the SVG structure
- Worked directly with raw XML/SVG without external libraries

Education

2022 currently — **Bachelor of Science in Computer Science** — **SGGW**

- Currently in 7th semester.
- Specialisation: Cloud Computing Technologies.
- Focused on Machine Learning, Data Science and Web Development

Projects

Kronos-live — **kronos-live.pages.dev** — Angular

- Frontend of an app showing live delays of public transport vehicles and stops in Warsaw.
- Displays a list of stops, upcoming departures, and vehicle routes with real-time delays.

TTS, RVC — Python, ML

- Writing an engineering thesis on integrating a Text-to-Speech system (AllTalk) with an RVC model for high-quality voice generation.
- Fine-tuned XTTS 2.0.2 and multiple RVC models to achieve various voice timbres.

TikTok Clips — ML / Full-stack Developer(Python)

- Analyzes long recordings to detect interesting moments using LLM.
- Automatically extracts clips, adjusts aspect ratio, adds subtitles, and generates ready-to-publish clips.

Hearing Asymmetry — C# / WPF

- Desktop application to measure hearing asymmetry.
- Generates audio signals at various frequencies.
- Developed as a practical, preliminary tool for assessing hearing asymmetry.
- Implemented using C#, WPF, and NAudio.