

Denis Topallaj

Software Developer

✉ denis.topallaj13@gmail.com 🔗 denis-topallaj-portfolio.web.app

🌐 linkedin.com/in/denis-topallaj 🔄 github.com/Detopall



Education

Master of Computer Science - Major in AI,

University of Hasselt

09/2025 – 09/2027 | Hasselt, Belgium

Bachelor Applied Computer Science - Major in AI,

Howest University of Applied Sciences

09/2021 – 09/2024 | Bruges, Belgium

cum laude

Profile

As an aspiring applied informatician, I'm driven by the excitement of combining my technical expertise with creativity to develop game-changing solutions that harness the power of AI. I aim to apply my technical expertise to drive innovation and collaboration by working on forward-thinking projects.

Professional Experience

Intern at ML6, ML6

- Created 10+ Biology and AI components used for a Fondant pipeline with Docker
- Assisted with a full stack DBTL pipeline application
- Found and solved issues in the Fondant framework

02/2024 – 05/2024

Bruges, Belgium

Skills

HTML, CSS, JavaScript, TypeScript, React, Python, Java, MySQL, MongoDB, FastAPI, PostgreSQL, Docker, Git, Linux

Languages

Dutch — Native/Bilingual

Albanian — Native/Bilingual

English — Fluent

Projects

BrainRotTok, A project that generates iconic TikTok-style videos for easy content creation

- Developed a platform for generating TikTok-style videos by combining random videos with subtitles.
- Utilized React with TypeScript for the frontend, Python with FastAPI for the backend, and Whisper for AI-driven transcription.
- Deployed using Docker, ensuring scalable and efficient usage.
- Demonstrated skills in full-stack development, AI integration, and media processing.
- Achieved 19 GitHub stars and 3 forks, showcasing community interest.

<https://github.com/Detopall/BrainRotTok> 🔗

Manga Panel Translator, Automates translation of Japanese manga into English for immediate reading

- Developed a platform to translate Japanese manga chapters into English by detecting speech bubbles with YOLOv8, extracting text, translating it and replacing the Japanese ones.
- Created a user-friendly interface using Gradio, hosted on HuggingFace Spaces.
- Demonstrated skills in computer vision, NLP, and UI development.
- Achieved 3 GitHub stars, 1 fork, 6 likes on Hugging Face, and over 2,000 total viewers, showcasing community interest.

<https://huggingface.co/spaces/DenisT/manga-translator> 🔗