

Tarik Alaiwi

Olsztyn, Poland | tarik.alalwi.dev@gmail.com | 796 198 871 | tarik-alaiwi-dev.github.io

linkedin.com/in/tarik-alaiwi | github.com/Tarik-Alaiwi-dev

About Me

I am a **3rd year Computer Science** student from Poland passionate about programming. Outside of my academic responsibilities, I am developing my skills in **Machine Learning** as an active member of the Czarna Magia' AI Student Club and I have greatly improved as a **Full-Stack Web Developer** through a summer **internship in Rome**.

Education

University of Warmia and Mazury in Olsztyn, BS in Computer Science

Oct 2022 – Feb 2026

- GPA: **4.72/5.0**
- **Coursework:** Intro to Programming, Databases, **Data Visualization**, Data Structures and Algorithms, **Object Oriented Programming**.
- Active member of **AI student research club "Czarna Magia"**.
- **NVIDIA "Fundamentals of Deep Learning Certification"**.

Experience

Web Developer Intern, Ecobubble – Rome, Italy

July 2024 – Sep 2024

- Created a **full-stack** (Django and Vue.js) web application to show gathered data in appealing way and to **speed up** the process of gathering new data.
- Improved SEO of existing websites in **Webflow**.

Projects

ViT Pneumonia Classifier

github.com/repo

- I have researched a few papers on the topic, found decent-quality data, and chosen an appropriate **pre-trained** model. Then, I **fine-tuned** it, implemented ideas from the papers, and used GRAD-CAM for the **Explainable AI** concept. Finally, I created a **demo** to showcase my model's performance.

*disclaimer: I am currently creating a full-stack system that will use this model.

- Tools Used: PyTorch, GRAD-CAM, Gradio, Django, Vue.js, Bulma

Magical Drones

github.com/repo

- This project was developed by me and my friends from the '**Czarna Magia**' **AI Student Club** under the guidance of our **mentor** from OPEGIEKA. Our primary objective was to create a model capable of converting satellite images into detailed maps. We created a **custom dataset** and experimented with several model architectures, including **CycleGAN**, Pix2Pix, GC-GAN, and many more.

- Tools Used: PyTorch Lightning, Lightning AI, QGIS, Gradio

Technologies

Languages: **Python**, JavaScript, SQL, HTML, CSS

Technologies: **PyTorch**, **Django**, **Vue.js**, SQLite, Gradio, Postman, Git, Github, Jira

Languages

- **English C1**
- Polish native