

Krisztián Szabó

MASTER STUDENT IN COMPUTER SCIENCE @UTWENTE

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Technologies

Programming	Python 🐍, Docker 🐳, Shell scripting 📄, SQL 🗄️, Javascript 📄, HTML 📄 & CSS 📄, Java ☕, Android SDK 🤖, LaTeX
Libraries/Frameworks	Numpy, Pandas, Jupyter, Django, PostgreSQL
OS's	Windows 🪟, Ubuntu 🐧, MacOS 🍏; open to learning any *nix 🐧
IDE's	Visual Studio Code, Sublime Text, IntelliJ, Android Studio
VCS	Git 📄
Languages	English (Cambridge C2), Hungarian (Mother tongue), Romanian

Education

UT University of Twente

MASTER COMPUTER SCIENCE

- Cybersecurity specialization

Enschede, Netherlands

graduation expected by Jul 2025

UT University of Twente

TECHNICAL COMPUTER SCIENCE

- Thesis title: Morphing robust face recognition

Enschede, Netherlands

2023 Apr

Experiences

Arise

ML OPS RESEARCH INTERN - DOCKER / PYTHON / DJANGO / BACKEND / JIRA

- Researched and implemented various ML Ops frameworks and built out pipelines for versioning and serving AI algorithms
- Investigated the inner workings and repurposed an already existing AI challenge app to automatically create leaderboard on specified metrics to integrate with the above mentioned frameworks
- Converted human detection algorithm to run on Snellius (Dutch Supercomputer)
- Helped with the development of the ARISE platform's Digital species identification

Leiden, Netherlands / Remote

Nov 2022 - Present

BestJobs

MACHINE LEARNING INTERN

- Learned about and implemented Linear Regression Models
- Learning was largely based on Andrew Ng's coursera course named "Deep learning"

Targu Mures, Romania

Jul 2019 - Aug 2019

Projects

Human detection in biodiversity monitoring

UNIVERSITY DESIGN MODULE GROUP PROJECT

- Designed and developed a containerized AI algorithm to detect and filter out humans in heterogenous camera trap data, which reports back the Bounding Box for the found human in the format specified by [Arise's](#) API.
- Developed a containerized algorithm evaluation webapp for generating various performance metrics graphs for AI developers at [Arise](#). Code can be found [here](#)
- Design Report can be found [here](#)

Made for [Arise](#)

Sept - Nov 2022

Wappler integration

INTERNSHIP THROUGH UNIVERSITY MINOR

- Report can be found [here](#)

At Wappler

Sept 2021 - Nov 2021

Home network upgrade

HOME PROJECT

- Completely upgraded my home networking stack to enable easier management/deployment for future home projects
- Learned a about the enterprise level networking equipment (Ubiquiti Edgemax and UniFi)
- Self hosting on Raspberry Pi's various software (HomeAssistant, Unifi Network Controller, PiHole)
- Configured VLAN for IoT devices

2020 - 2021

Self hostable and expandable IoT sensor home monitoring

UNIVERSITY GROUP PROJECT

- Developed a software which enables end users to self host and monitor sensor using MQTT
- Similar to home assistant/HASSIO
- Hardware used: Raspberry Pi, Arduinos with various sensors

Extracurricular Activities

Security / Privacy / OSINT

INTEREST

- I am highly interested in and deeply passionate about security, privacy and OSINT
- I try to participate in as many workshops / webcasts / conference as I can, my favourites being Blackhills Infosec, and PancakesCon

Video making and Photography

HOBBY

- Have been practising and learning photography since the age of 16, self taught
- Picked up video making from the age of 19, self taught
- Tools: Lightroom, Premier Pro, Sony A7 III, iPhone 13 Pro
- Mostly responsible for photographing scouts events: kepek.osker.ro

Romanian Scouts/Pathfinders

LEADER

- Developed and practised leadership skills
- Took part in planning and organising multiple summer camps

Romania

Jun 2013 - Present