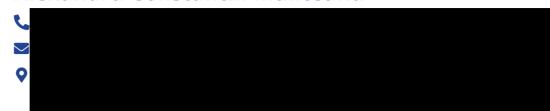# Alexandru-Constantin Munteanu

EDUCATION AND TRAINING

PhD in Computer Science
West University of Timișoara [2021 – Current]

Address: Timișoara (Romania)
Thesis: Computer Vision in Remote Sensing Imagery using Deep Learning

M.Sc in Artificial Intelligence and Distributed Computing
West University of Timișoara [2019 – 2021]

Address: Timișoara (Romania)
Thesis: Semantic Segmentation of Vegetation in Remote Sensing Imagery Using Deep Learning

B.Sc in Computer Science
West University of Timișoara [2016 – 2019]

Address: Timișoara (Romania)

Thesis: Deep learning applied for road network extraction

WORK EXPERIENCE

Research assistant
West University of Timișoara [2020 – Current]

Involved in multiple research projects:

Harmonia - https://harmonia-project.eu/
COCO (Adaptivity in cloud-to-edge COntinuum COmputing) - https://coco.hpc.uvt.ro
BID (Big Data Science) - https://bid.hpc.uvt.ro/
DiPET - https://www.chistera.eu/projects/dipet
FUSE4DL - http://fuse4dl.hpc.uvt.ro/
MOISE - https://moise.projects.uvt.ro/

Research Assistant
Institute e-Austria Timișoara [2022 – Current]

City: Timișoara
Country: Romania

Involved in the AI4EU project - https://www.ai4europe.eu/

Teaching Assistant
West University of Timișoara [2020 – Current]

Address: Timișoara (Romania)

TA for Web Design and Web Technologies courses

Programmer
West University of Timișoara [2018 – 2019]

Address: Timișoara (Romania)

- Machine Learning for Earth Observation (ML4EO)
Actively implicated in the development of the [Hugin](#) deep learning framework.

Staff member
Cowork Timișoara [2017 – 2019]

Organizer
Startup Survivor [2016 – 2019]

Address: Timișoara (Romania)

Event managing, web development, technical support

Team leader
AIESEC [2016 – 2017]

Address: Timișoara (Romania)

I was the team leader for the marketing branch in the incoming global volunteer department.

Organizer
Startup Weekend [2014 – 2018]

Address: Timișoara (Romania)

Mentor, team leader
CoderDojo [2013 – 2017]

Address: Oradea (Romania)

- Mentoring kids in introductory courses on computer programming
- Organizing team leader

PUBLICATIONS

Deep Learning Techniques Applied for Road Segmentation
[2019]

Alexandru Munteanu, Teodora Selea, Marian Neagul (2019). Deep learning techniques applied for road segmentation.

21st International Symposium on Symbolic and Numeric Algorithms for Scientific Computing.

Semantic Segmentation of Vegetation in Remote Sensing Imagery Using Deep Learning
[2022]

Alexandru Munteanu, Marian Neagul. arXiv.org preprint.

PROJECTS

Projects

Leafs - Leveraging artificial intelligence for forest sustainability - [LeafS](#)

Stomadmin - https://gitlab.com/ERDT/Stomadmin

HONOURS AND AWARDS

Honours and awards

ECMWF Copernicus Award - EO Data Challange FOSS4G Bucharest

LANGUAGE SKILLS

Mother tongue(s): **Romanian**

Other language(s):

English

LISTENING C2 **READING** C2 **WRITING** C2

SPOKEN PRODUCTION C2 **SPOKEN INTERACTION** C2

ORGANISATIONAL SKILLS

Organisational skills

- good organizational skills gained through my experience as organizer in multiple volunteering activities

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

- good communication skills acquired through my experience collaborating in research projects

JOB-RELATED SKILLS

Job-related skills

machine learning, python, java, c/c++, bash, php, git version control, GNU/Linux system administration, object-oriented programming, relational databases, geoserver, mapstore2