



Alexandru Frunza

JUNIOR RESEARCHER

Profile

Junior researcher who wants to offer high-level services. I am a hardworking, trustworthy and dynamic person who wants to learn new things and develop creative solutions. I have a lot of energy, and I am passionate about technology. My current interest is in coherent optical communications and machine learning.

Employment History

Junior Researcher, Military Technical Academy, Bucharest

OCTOBER 2018 – PRESENT

- identify solutions and interpret results by applying established research methods
- carrying out numerical simulations, library research, and laboratory experiments
- writing original research for publication or presentation at journals and conferences

Network Service Administrator, Military Technical Academy, Bucharest

JULY 2017 – SEPTEMBER 2018

- configure, install and monitor switches, routers, and network servers
- maintain network equipment for replacement or service upgrade, as specified in the vendor's maintenance contracts
- keep the network documentation and diagrams up to date

Education

Ph. D., Military Technical Academy/Brest National School of Engineering, Bucharest/Brest

OCTOBER 2019 – PRESENT

- coherent optical communications
- signal processing
- optimization algorithms
- machine learning
- statistics
- linear algebra

Master, Military Technical Academy, Bucharest

OCTOBER 2017 – JULY 2019

- multimedia technology
- elements of artificial intelligence in communication networks
- databases
- computer networks security
- administration of operating systems

Bachelor, Military Technical Academy, Bucharest

SEPTEMBER 2013 – JULY 2017

- analog and digital signal processing
- communication networks and security
- optical communications

Details

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Links

[LinkedIn](#)

[Research Gate](#)

[Google Scholar](#)

Skills

Python

Pytorch Deep Learning

Matlab

Linux

Academic Writing

LaTeX

Inkscape

Ability to Work in a Team

Git

Django

Docker

Microsoft Office

HTML & CSS

Languages

English

French

Hobbies

Skiing, Reading, Chess, Tennis, Football, Travelling

- information theory
- radio transmitters and receivers

High School Diploma, National Military High School, Breaza

SEPTEMBER 2009 — JUNE 2013

- mathematics
- physics
- informatics

Extra-curricular activities

Assistant Professor, Military Technical Academy, Bucharest

OCTOBER 2017 — PRESENT

- programming languages (Python, Matlab)
- VoIP technologies
- UWB technologies
- communication systems

Courses

Psychopedagogical training, National Defense University

JANUARY 2021 — JUNE 2021

Internships

Master 1 Internship, Brest National School of Engineering, Brest

APRIL 2018 — JULY 2021

Master 2 Internship, Brest National School of Engineering, Brest

FEBRUARY 2019 — JUNE 2019

References

References available upon request