



# Mihail-Iulian Plesa

**Date of birth:** 07/08/1995 | **Nationality:** Romanian | **Phone number:** (+40) 744443291 (Mobile) | **Email address:** [plesamihailiulian@gmail.com](mailto:plesamihailiulian@gmail.com) | **LinkedIn:** <https://www.linkedin.com/in/mihail-iulian-plesa-ab7838249> | **Medium:** <https://medium.com/@mihailiulianplea> | **Website:** <https://miiip.github.io>

## WORK EXPERIENCE

**MILITARY TECHNICAL ACADEMY "FERDINAND I" – BUCHAREST, ROMANIA**  
**UNIVERSITY TEACHING ASSISTANT – 01/2017 – 07/2021**

Teaching and preparing labs on computer vision and machine learning.

**SPECIAL TELECOMMUNICATIONS SERVICE – BUCHAREST, ROMANIA**  
**RESEARCH ENGINEER – 26/07/2018 – CURRENT**

Design and development of cryptographic software.

**XTENDR – BUDAPEST, HUNGARY**  
**Business or Sector** Professional, scientific and technical activities

**RESEARCH ENGINEER – 02/2023 – CURRENT**

Research on privacy preserving machine learning

**ORANGE SERVICES – BUCHAREST, ROMANIA**  
**SECURITY RESEARCHER – 2023 – CURRENT**

Security related research

## EDUCATION AND TRAINING

2013 – 2018  
**BACHELOR DEGREE** Military Technical Academy "Ferdinand I"

For my thesis, I've implemented quantum algorithms for key establishment (BB84, E91) and factorization (Shor's algorithm) using IBM-Q systems. I've also proposed a new quantum encryption scheme.

**Field of study** Computer Science | **Final grade** 10 | **Thesis** Attacks on some cryptosystems using quantum computing

2018 – 2021  
**MSC DEGREE** Military Technical Academy "Ferdinand I"

For my thesis, I've studied fully homomorphic encryption (FHE) and I've implemented secure image processing algorithms using EVA (Compiler for Microsoft SEAL).

**Field of study** Computer security | **Final grade** 10 | **Thesis** Cloud based image processing using homomorphic encryption

2019 – 2021  
**IBM AI ENGINEERING** Coursera

**Website** <https://coursera.org/share/fac314e768a11bd80626cdd234802270>

Security Aspects of Membrane Computing

**Field of study** Computer Science

2023

**DEEP LEARNING** Coursera

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**Website** <https://coursera.org/share/3a5589b7254b69242fef4314ea8a116a>

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## ● **LANGUAGE SKILLS**

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Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	B2	B2	B2	B2	B2

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## ● **DRIVING LICENCE**

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**Driving Licence:** B

## ● **SOCIAL**

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**Profiles**

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Google Scholar: <https://scholar.google.ro/citations?user=dvIBs70AAAAJ&hl=ro>

CClaim: <https://www.youracclaim.com/users/mihail-iulian-plesa>

