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Andreea Cristina FILIP (SIMION)

ID: 546661 | **Work permit:** Romanian | **Date of birth:** 17/10/2000 | **Place of birth:** Bucuresti, Romania | **Nationality:** Romanian | **Gender:** Female | **Phone number:** (+40) 0737530663 (Mobile) | **Email address:** andreea.cristina.simion17@gmail.com | **Address:** strada Barca, 051171, Bucuresti, Romania (Home)

WORK EXPERIENCE

MILITARY TECHNICAL ACADEMY „FERDINAND I" – BUCHAREST, ROMANIA
UNIVERSITY RESEARCH ASSISTANT – 31/07/2023 – CURRENT

-research in the Laboratory for Integrated Weapon Systems and CBRN Defence

MILITARY TECHNICAL ACADEMY „FERDINAND I" B – BUCHAREST, ROMANIA
ADJUNCT TEACHING ASSISTANT – 01/10/2023 – CURRENT

-conducting seminars and laboratories for Computer-Aided Design and Fire Control Systems

EDUCATION AND TRAINING

01/10/2023 – 06/2025 Bucharest, Romania
MASTER IN MECHANICAL SYSTEM ENGINEERING Military Technical Academy „Ferdinand I"

Website www.mta.ro

01/10/2019 – 27/07/2023 Bucharest, Romania
BACHELOR'S DEGREE IN MECHANICAL ENGINEERING Military Technical Academy „Ferdinand I"

Website www.mta.ro

03/2024 – 06/2024 Coimbra, Portugal
ERASMUS MOBILITY University of Coimbra

Tallinn, Estonia
WORKSHOP - RESPONSIBLE AI FOR SECURITY AND PEACE UNODA and SIPRI

09/2019 – 07/2023 Craiova, Romania
BACCALAUREATE DIPLOMA "Tudor Vladimirescu" National Military College

LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B1	B1

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

SKILLS

Microsoft Office | Microsoft Word | Microsoft Powerpoint | Microsoft Excel | Social Media | Google Drive | Solidworks software | ANSYS Explicit Dynamics (Good) | Ansys Autodyn | mathlab (apprentice) | C/C++(Arduino, Raspberry,Makerboard) | FRITZING SIMULATOR | FEM calculation model and stress analysis: ANSYS (Workbench/Fluent)

CONFERENCES AND SEMINARS

Depleted Uranium

Panel: Materials Technology
International Students' Conference CERC, Bucharest, 2020

The Management of Time - The Key to Success

Panel: Management
International Students' Conference CERC, Bucharest, 2021

Developing an Intelligent System for Integrating and Exploiting Specific Parameters for Shooting with an Assault Rifle

Panel: Armament Systems
International Students' Conference CERC, Bucharest, 2023

Theoretical and experimental study on the development of an intelligent system for integrating and exploiting the specific parameters of firing an assault rifle

Proceedings of International Scientific Conference “Defense Technologies” DefTech 2023, Faculty of Artillery, Air Defense and Communication and Information Systems Shumen, BULGARIA

Discovering Coimbra: An Erasmus Experience

Panel: Erasmus and Military Erasmus Experiences
Award: 3rd prize

International Students' Conference CERC, Bucharest, 2025

PUBLICATIONS

2024
Ballistic Assessment for Shooting Range Validation in Case of Direct Fire

Authors: Neculai-Daniel Zvincu Alexis Garnier, Cristian-Emil Moldoveanu, Florin-Marian Dîrloman, Mihai-Ionuț Ungureanu, Dumitru-Costin Berechet, Andreea-Cristina Simion | **Journal Name**: Journal of Military Technology | **Volume, Issue and Pages**: Volum 7, no.1, p5-16

2024
Numerical Determinations of Hazardous Angles for Pistol Shootings in Firing Ranges

Authors: Neculai-Daniel Zvincu, Pierre Sandrin, Mihai-Ionuț Ungureanu, Dumitru-Costin Berechet, Florin-Marian Dîrloman, Alice-Ionela Podaru, Andreea-Cristina Simion, Alexandru Munteanu, Cristian-Emil Moloveanu | **Journal Name**: Journal of Military Technology | **Volume, Issue and Pages**: Volum 7, no.2, p5-14

CERTIFICATION

22/11/2024
Non-Proliferation Basic Certificate

The EU Non-Proliferation and Disarmament Consortium

22/11/2024
Non-Proliferation Comprehensive Certificate

The EU Non-Proliferation and Disarmament Consortium

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