



Attila Mester

● WORK EXPERIENCE

01/02/2022 – CURRENT Cluj-Napoca, Romania
TECHNICAL LEAD BITDEFENDER

Cyber Threat Intelligence Lab

01/07/2018 – 31/01/2022 Cluj-Napoca, Romania
SOFTWARE ENGINEER BITDEFENDER

2020 – 2023 Cluj-Napoca, Romania
TEACHING ASSISTANT BABES-BOLYAI UNIVERSITY

Functional programming (Prolog & Haskell); Data Structures

04/03/2018 – 28/06/2018 Cluj-Napoca, Romania
INTERN BITDEFENDER

30/06/2016 – 29/09/2016 Budapest, Hungary
INTERN NOKIA SOLUTIONS AND NETWORKS KFT.

02/07/2017 – 09/09/2017 Budapest, Hungary
INTERN MORGAN STANLEY HUNGARY ANALYTICS LTD.

● EDUCATION AND TRAINING

09/2020 – CURRENT Cluj-Napoca, Romania
PHD Faculty of Mathematics and Computer Science, Babeş-Bolyai University

09/2018 – 07/2020 Cluj-Napoca, Romania
MASTER OF SCIENCE: DATA ANALYSIS AND MODELLING Faculty of Mathematics and Computer Science, Babeş-Bolyai University

09/2015 – 07/2018 Cluj-Napoca, Romania
BACHELOR OF SCIENCE IN COMPUTER SCIENCE Faculty of Mathematics and Computer Science, Babeş-Bolyai University

Three-year average grade: 9.97

09/2015 – 07/2018
PSYCHO-PEDAGOGICAL MODULE, LEVEL 1

2010 – 2015 Saint George, Romania
MATHEMATICS AND COMPUTER SCIENCE 'Székely Mikó' College

Four-year average grade: 10

● LANGUAGE SKILLS

Mother tongue(s): **HUNGARIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C2
ROMANIAN	B2	B2	B1	B1	B2

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

● **PROJECTS**

B.Sc. Thesis (scientific supervisor: assoc. prof. dr. Bodó Zsolt)

- title: "Recipe recommender based on the analysis of refrigerator content"

M.Sc. Thesis (scientific supervisor: assoc. prof. dr. Bodó Zsolt)

- title: "Scalable, real-time malware clustering based on signatures of static call graph features"

● **PUBLICATIONS**

2025

Towards a malware family classification model using static call graph instruction visualization

18th International Conference on Network and System Security, Network and System Security, 167–186, Springer Nature Singapore

A. Mester, Z. Bodó, P. Vinod, M. Conti

2023

Malware analysis and static call graph generation with Radare2

Studia Universitatis Babes-Bolyai Informatica, 2023, 68 5–20

A. Mester

2022

Malware classification based on graph convolutional neural networks and static call graph features

Advances and Trends in Artificial Intelligence. Theory and Practices in Artificial Intelligence: 35th International Conference on Industrial, Engineering and Other Applications of Applied Intelligent Systems, IEA/AIE 2022, Springer 528–539

A. Mester, Z. Bodó

2021

Validating static call graph-based malware signatures using community detection methods

29th European Symposium on Artificial Neural Networks, Computational Intelligence and Machine Learning, ESANN 2021, 429–434

A. Mester, Z. Bodó

2021

Network analysis based on important node selection and community detection

MDPI Mathematics, 2021, 9.18, 2294

A. Mester, A. Pop, B. Mursa, H. Grebla, L. Diosan, C. Chira