



Adrian Roman

● WORK EXPERIENCE

02/2022 - CURRENT - TG. MURES, ROMANIA

UNIVERSITY TEACHING ASSISTANT "GEORGE EMIL PALADE" UNIVERSITY OF MEDICINE, PHARMACY, SCIENCES AND TECHNOLOGY

01/2021 - CURRENT

PRODUCT MANAGER TADAM DIGITAL LAB

31/12/2020 - 30/05/2021

PROJECT MANAGER AMPLUSNET

08/2003 - 12/2020 - TG.MURES, ROMANIA

PROJECT MANAGER AND MANAGING PARTNER AMPLUSNET

08/2004 - 09/2012 - TG.MURES, ROMANIA

TEACHING ASSISTANT PETRU MAIOR UNIVERSITY

06/2002 - 07/2003 - BUCHAREST, ROMANIA

SOFTWARE DEVELOPER TEAMNET INTERNATIONAL

05/2001 - 07/2002 - TG.MURES, ROMANIA

PROGRAMMER INFOPULSE

● EDUCATION & TRAINING

09/2021 - 07/2025 - ROMANIA

PHD- "GEORGE EMIL PALADE" UNIVERSITY OF MEDICINE, PHARMACY, SCIENCES AND TECHNOLOGY

Field(s) of study: Informatics | **Thesis:** Balancing Privacy and Utility in Multivariate Time Series Data (Supervisor: Prof. Dr. Genge Bela)

09/2024 - 06/2025 - UNITED STATES

COURSE: INTERNET OF THINGS (IOT): APPLICATIONS AND OPPORTUNITIES- UNIVERSITY OF CALIFORNIA, IRVINE

Website: <https://ce.uci.edu/>

2023

PROFESSIONAL COURSE: IBM MACHINE LEARNING PROFESSIONAL CERTIFICATE- COURSERA

- Exploratory Data Analysis for Machine Learning

- Supervised Machine Learning: Regression
- Supervised Machine Learning: Classification
- Unsupervised Machine Learning
- Deep Learning and Reinforcement Learning
- Machine Learning Capstone

2022 - 2023 - ROMANIA

E-MEDIA SPECIALIST - COR 251303 - "GEORGE EMIL PALADE" UNIVERSITY OF MEDICINE, PHARMACY, SCIENCES AND TECHNOLOGY

Digital competences in the use of e-learning platforms

2006 - 2010

PHD STUDENT (NO THESIS)- BABEȘ-BOLYAI UNIVERSITY, FACULTY OF MATHEMATICS AND COMPUTER SCIENCE

Thesis: Software Metrics for Project Management | **Address:** Thesis: Software Metrics for Project Management (Supervisor: Prof. Dr. Militon Frențiu)

2002 - 2003

MASTER OF SCIENCE DEGREE- POLITECHNICAL UNIVERSITY

Address: Department of Engineering Sciences Master of Business Administration

1992 - 1997 - TG.MURES

BACCALAUREATE DIPLOMA- AL PAPIU ILARIAN NATIONAL COLLEGE

1997 - 2002 - BUCHAREST, ROMANIA

BACHELOR OF SCIENCE DEGREE- POLITECHNICAL UNIVERSITY

Address: Department of Engineering Sciences (English Stream) Major: Computer Science

● PUBLICATIONS

APU-TrajGen+: GRU-based Adaptive Privacy and Utility Preserving Trajectory Generation 2025

Adrian-Silviu Roman, Roland Bolboacă, Teri Lenard, Piroska Haller IEEE Adrian-Silviu Roman, Roland Bolboacă, Teri Lenard, Piroska Haller, 2025, APU-TrajGen+: GRU-based Adaptive Privacy and Utility Preserving Trajectory Generation, IEEE Access, . IEEE Access Volume: 13, pp 160081 - 160102.

compact-cv-editor.templates.one.publication.links <https://ieeexplore.ieee.org/iel8/6287639/6514899/11162526.pdf>

APU-TrajGen: Adaptive Privacy and Utility Preserving Real-Time Synthetic Trajectory Generation 2025

Adrian-Silviu Roman, Roland Bolboacă, Sophie Cerf, Piroska Haller, Bogdan Robu Procedia Computer Science Adrian-Silviu Roman, Roland Bolboacă, Sophie Cerf, Piroska Haller, Bogdan Robu, 2025, APU-TrajGen: Adaptive Privacy and Utility Preserving Real-Time Synthetic Trajectory Generation, Procedia Computer Science, Volume: 470, 456-465. KES 2025 Volume: 470, pp 456-465.

Balancing Privacy and Utility in Multivariate Time-Series Classification 2024

Adrian-Silviu Roman, Béla Genge, Piroska Haller Springer Nature Switzerland Adrian-Silviu Roman, Béla Genge, Piroska Haller, 2024, Balancing Privacy and Utility in Multivariate Time-Series Classification, European Symposium on Research in Computer Security, pp 124-136. European Symposium on Research in Computer Security pp 124-136.

Privacy-Oriented Feature Selection for Multivariate Time-Series Classification 2024

Adrian-Silviu Roman, Bela Genge, Roland Bolboacă Procedia Computer Science Adrian-Silviu Roman, Bela Genge, Roland Bolboacă, 2024, Privacy-Oriented Feature Selection for Multivariate Time-Series Classification, .

KES 2024 Volume: 246, pp 500-509.

Evaluating the Privacy and Utility of Time-Series Data Perturbation Algorithms 2023

Mathematics 2023, 11, 1260.

E-APTDetect: Early Advanced Persistent Threat Detection in Critical Infrastructures with Dynamic Attestation

Applied Sciences 13, no. 6: 3409.

Dynamic Utility-Improving Time Series Data Perturbation Framework 2023

Inter-Eng 2022. Lecture Notes in Networks and Systems, vol 605. Springer, Cham.

Privacy-preserving tampering detection in automotive systems 2021

Electronics 2021, 10(24), 3161.

Towards Building Software Project Telemetry Tools 2008

ISSN: 1844-2048, p.731-734

Proceedings of the International Conference "European Integration Between Tradition and Modernity".

Proposed Architecture for Software Telemetry Systems 2008

Proceedings of the National Symposium ZAC 2008, ISBN: 978-973-610-730-6, p.31-37.

The Relaxation of the Fundamental Conditions of Scientific Visualization Using Equivalence Classes
2000

Studia Univ. "Babes-Bolyai", Informatica, Volum XLV, Numarul 1, 2000.

3D Terrain Reconstruction Using Scattered Data Sets 2000

Studia Univ. "Babes-Bolyai", Informatica, Volum XLV, Numarul 1, 2000.

A Component Based Approach For Scientific Visualization of Experimental Data 1999

Studia Univ. "Babes-Bolyai", Informatica, Volum XLIV, Numarul 2, 1999.

● **LANGUAGE SKILLS**

Mother tongue(s): **ROMANIAN**

Other language(s): **ENGLISH | FRENCH**