Alexandra-Ioana Albu

Nationality: Romanian   **in** **LinkedIn:** https://ro.linkedin.com/in/alexandra-albu-978b98151

WORK EXPERIENCE

University research assistant
Babeș-Bolyai University, Faculty of Mathematics and Computer Science [10/2020 – Current]

Member in the *WeaMyL* Project *("WeaMyL - Enhancing the performance and reliability of national weather warning systems by use of deep learning techniques applied on radar, satellite and ground meteorological observations"*), supported by the Norway Grants Program 2014-2021 (1.084.919 EUR), website: https://weamyl.met.no/

University research assistant
Babeș-Bolyai University, Faculty of Mathematics and Computer Science [03/2021 – Current]

Member in the *QuaDeeP* Project ("*QuaDeep - Enhancing the quality of software systems using deep learning models for defects prediction and detection*") - Exploratory research project financed within PNCDI III - project number PN-III-P4-ID-PCE-2020-0800 (1.198.032 RON), website: https://www.cs.ubbcluj.ro/quadeep/

Teaching Assistant (PhD Student)
Babeș-Bolyai University [10/2020 – Current]

Laboratories and seminars for the following courses: *Data Structures and Algorithms*, *Functional and Logic Programming*, *Development Methods for Intelligent Systems*, *Fundamentals of Programming*, *Object-Oriented Programming*

Research assistant
Romanian Institute of Science and Technology [11/2018 – 09/2020]

Member in the *DeepRiemann* Project ("*Riemannian Optimization Methods for Deep Learning"),* co-funded by the European Regional Development Fund and the Romanian Government through the Competitiveness Operational Programme 2014-2020 (8.689.500 RON), website: https://deepriemann.rist.ro/

Machine Learning Intern
Romanian Institute of Science and Technology [07/2017 – 09/2017]

Internship in the *Machine Learning and Optimization* group. Worked on a project on image generation using Variational Autoencoders.

Teacher in the "Hai la Olimpiadă!" program
[03/2016 – 03/2016]

Held a seminar on inequalities for 8th grade students in the "*Hai la Olimpiadă!*" mathematics program

EDUCATION AND TRAINING

PhD in Computer Science
Faculty of Mathematics and Computer Science, Babeș-Bolyai University [2020 – Current]

City: Cluj-Napoca
Country: Romania

Master's Degree in Applied Computational Intelligence
Faculty of Mathematics and Computer Science, Babeș-Bolyai University [2018 – 2020]

City: Cluj-Napoca

Country: Romania

Psycho-pedagogical training - Level II
Babeș-Bolyai University [2018 – 2020]

City: Cluj-Napoca
Country: Romania

Bachelor's Degree in Computer Science
Faculty of Mathematics and Computer Science, Babeș-Bolyai University [2015 – 2018]

City: Cluj-Napoca
Country: Romania

Psycho-pedagogical training - Level I
Babeș-Bolyai University [2015 – 2018]

City: Cluj-Napoca
Country: Romania

Baccalaureate Diploma
"Lucian Blaga" High School [2011 – 2015]

City: Cluj-Napoca
Country: Romania

LANGUAGE SKILLS

Mother tongue(s): **Romanian**

Other language(s):

English	French
LISTENING C2 **READING** C2 **WRITING** C2	**LISTENING** B2 **READING** B2 **WRITING** B2
SPOKEN PRODUCTION C2 **SPOKEN INTERACTION** C2	**SPOKEN PRODUCTION** B1 **SPOKEN INTERACTION** B1

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

AWARDS

Special scholarship for scientific activity awarded by Babeș-Bolyai University
[2019 – 2020]

Scholarship for academic results awarded by Babeș-Bolyai University
[2015 – 2020]

Silver and bronze medals - Romanian National Mathematical Olympiad
[2011 – 2015]

PROJECTS

Contributor - Argo open source deep learning library

Library implementing multiple deep learning models using TensorFlow and Sonnet available at: https://github.com/rist-ro/argo

PUBLICATIONS

Google scholar profile