

Anikó Kopacz

LinkedIn
Google Scholar

EDUCATION

Institute for Doctoral Studies, Babeş-Bolyai University <i>PhD Student in Computer Science</i>	Cluj-Napoca, Romania 2021 – Present
Babeş-Bolyai University <i>MSc in Data Analysis and Modeling</i>	Cluj-Napoca, Romania 2018 – 2020
<ul style="list-style-type: none">• Research interests: multi-agent systems, complex networks, machine learning, reinforcement learning• Member of the Metaheuristics for Complex Systems Research Group	
Babeş-Bolyai University <i>BSc in Computer Science</i>	Cluj-Napoca, Romania 2015 – 2018
<ul style="list-style-type: none">• Significant Coursework: Introduction to Machine Learning, Advanced Machine Learning, Robotics and Embedded System Programming, Data Visualization Methods• MSc Thesis: Testing reinforcement learning for scheduling	
Babeş-Bolyai University <i>BSc in Computer Science</i>	Cluj-Napoca, Romania 2015 – 2018
<ul style="list-style-type: none">• Significant Coursework: Algorithms and Data Structures, Advanced Programming Methods, Artificial Intelligence, Software Engineering, Information Theory• BSc Thesis: Algorithms for the minimum vertex cover problem	

EXPERIENCE

Assistant <i>Babeş-Bolyai University</i>	Oct. 2025 - present Cluj-Napoca, Romania
<ul style="list-style-type: none">• Fall semester: Formal languages and compiler techniques• Spring semester: Artificial Intelligence	
Research assistant <i>Babeş-Bolyai University</i>	Jul. 2025. – present Cluj-Napoca, Romania
<ul style="list-style-type: none">• Project: “Romanian Hub for Artificial Intelligence - HRIA”, Smart Growth, Digitization and Financial Instruments Program	
Machine Learning Engineer <i>Connatix</i>	Oct. 2023 – Oct. 2025 Cluj-Napoca, Romania
<ul style="list-style-type: none">• Designing and delivering proof of concepts for ad-tech, key projects: bid price optimization, traffic shaping.• Responsible for implementing new features and maintaining deep machine learning model using TensorFlow• Evaluating the performance of machine learning models with A/B testing• Hands on experience with the Elastic Stack and monitoring business metrics using Kibana	
Research assistant <i>Babeş-Bolyai University</i>	Nov. 2022 – Jan. 2023 Cluj-Napoca, Romania
<ul style="list-style-type: none">• Project: Promoting Sustainability as a Fundamental Driver in Software Development Training and Education (Sustainable)	
Teaching Assistant <i>Babeş-Bolyai University</i>	Oct. 2021 - May 2024 Cluj-Napoca, Romania
<ul style="list-style-type: none">• Fall semester: Computational Logic, Formal languages and compiler techniques• Spring semester: Artificial Intelligence	
Security Researcher <i>Bitdefender</i>	Oct. 2021 – Sept. 2023 Cluj-Napoca, Romania
<ul style="list-style-type: none">• Responsible for developing a stand-alone component in Python which focused on extracting features from large semi-structured data sets and targeting outlier identification• Analyzing customer data and delivering robust features to enhance network threat prevention	

Junior Software Engineer <i>Bitdefender</i>	Jul. 2021 – Sept. 2021 <i>Cluj-Napoca, Romania</i>
• Tasked with designing and developing a system based on unsupervised machine learning with the goal of improve customer satisfaction	
Research Engineer <i>Széchenyi István University</i>	Sep. 2020 – Mar. 2021 <i>Győr, Hungary</i>
• Participated in a research project investigating the efficiency of machine learning approaches for the train rescheduling problem	
• Implemented reinforcement learning based approaches to handle the navigation and scheduling of multiple trains	
• Validated the performance of customized machine learning approaches in simulated environments	
Working student/trainee, Software Developer <i>Nokia Solutions and Networks Kft.</i>	Jul. 2017 – Sep. 2017 <i>Budapest, Hungary</i>
• Delivered an interactive website with several functionalities, including developing a visualization tool for structured databases	
• Collaborated with project team members and stake-holders in order to assess and implement complex tasks	

TECHNICAL SKILLS

Languages: Python, C/C++, Bash

Developer Tools: Git, Docker, Tensorboard, Jupyter, Conda, Poetry

Libraries: PyTorch, TorchRL, NumPy, Matplotlib, TensorFlow, Keras