

PERSONAL INFORMATION Name Adress Nationality WORK EXPERIENCE	Curriculum vitae Cristiana MOROZ-DUBENCO Cluj-Napoca, Cluj, România Romanian RESEARCH ASSISTANT Babeş-Bolyai University, Cluj-Napoca 09/2024 – Present <i>Research Institute on Artificial Intelligence, Virtual Reality and Robotics</i> Python Keras Tensorflow SciKit Learn Numpy Pandas Matplotlib Jupyter Notebook SOFTWARE ENGINEER S&P Global Romania, Bucharest 01/2024 – Present <i>Data Products</i> .NET Core Scala Spark MS SQL PostgreSQL Kafka AWS RESEARCH ASSISTANT Babeş-Bolyai University, Cluj-Napoca 04/2023 – 12/2023 <i>POC/1033/1/3/156284: Innovative software product for sentiment analysis in Romanian texts – SENTITEXT</i> Python Keras Tensorflow SciKit Learn Numpy Pandas Matplotlib Jupyter Notebook RESEARCH ASSISTANT Babeş-Bolyai University, Cluj-Napoca 02/2023 – 09/2023 <i>POC/163/1/3/121004: Software platform for predicting the future evolution of some indicators in business processes, based on big data and data mining</i>
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	Python Keras Tensorflow SciKit Learn Numpy Pandas Matplotlib Jupyter Notebook SOFTWARE DEVELOPER National Institute for Research & Development in Informatics, Bucharest 02/2023 - 03/2024 <i>Large Language Models</i> Python Keras Tensorflow SciKit Learn Numpy Pandas Matplotlib Jupyter Notebook MACHINE LEARNING ENGINEER Connatix, Cluj-Napoca 08/2022 – 04/2023 <i>Microservices for natural language processing</i> Python Keras Tensorflow SciKit Learn Numpy Pandas Matplotlib Jupyter Notebook MongoDB RabbitMQ AWS Docker Gitlab YouTrack & Confluence RESEARCH ASSISTANT Babeş-Bolyai University, Cluj-Napoca 12/2020 – 10/2022 <i>PN-III-P2-2.1-PED-2019-2607: Integrated support system based on European guidelines for ensuring the quality of breast cancer screening</i> Python Keras Tensorflow SciKit Learn Numpy Pandas Matplotlib Jupyter Notebook .NET DEVELOPER Connatix, Cluj-Napoca 10/2020 – 07/2022 <i>Microservices for automated content generation</i> .NET Core Xunit MySQL PostgreSQL MongoDB RabbitMQ AWS Docker YouTrack & Confluence TECHNICAL TRAINER Azimut Vision, Cluj-Napoca 09/2020 – 03/2021
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EDUCATION	<i>Java for beginners</i> JAVA DEVELOPER Avelon Cetex, Cluj-Napoca 10/2018 – 09/2020 <i>RESTful web application</i> Java EE 8 Spring Hibernate Junit & Mockito MySQL Gradle Docker Bitbucket Jenkins Jira & Confluence .NET DEVELOPER Yonder, Cluj-Napoca 08/2017 – 09/2018 <i>Windows Forms application</i> <i>Windows Presentation Foundation application</i> <i>Web application</i> .NET 4.5 Entity Framework Oracle MSSQL Git & SVN FishEye Jira & Confluence FULL STACK INTERN Yonder, Cluj-Napoca 05/2017 – 06/2017 <i>Windows Communication Foundation application</i> .NET 4.5 MSSQL Angular Git Jira & Confluence Ph.D. IN COMPUTER SCIENCE Faculty of Mathematics and Computer Science, Babeş-Bolyai University, Cluj-Napoca 2020 – Present <i>Interpretable Automated Breast Cancer Detection and Diagnosis System</i> MASTER’S DEGREE IN DATABASES Faculty of Mathematics and Computer Science, Babeş-Bolyai University, Cluj-Napoca 2018 – 2020 <i>Searching in Relational and Non-Relational Databases</i>
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	Facilitating Model Training with Automated Techniques <i>Bogdan-Eduard-Mădălin Mursa, Mátyás Kuti-Kreszács, <u>Cristiana Moroz-Dubenco</u>, Florentin Bota</i> <i>Studia Universitatis Babeş-Bolyai</i> https://doi.org/10.24193/subbi.2023.2.04 Towards Good Practices for Collaborative Development of ML-Based Systems <i><u>Cristiana Moroz-Dubenco</u>, Bogdan-Eduard-Mădălin Mursa, Mátyás Kuti-Kreszács</i> <i>International Conference on Software Technologies</i> Towards an Unsupervised GrowCut Algorithm for Mammography Segmentation <i><u>Cristiana Moroz-Dubenco</u>, Laura Dioşan, Anca Andreica</i> <i>International Conference on Computer Vision Systems</i> https://doi.org/10.1007/978-3-031-44137-0_9 Generalizing an Improved GrowCut Algorithm for Mammography Lesion Detection <i><u>Cristiana Moroz-Dubenco</u>, Laura Dioşan, Anca Andreica</i> <i>International Conference on Hybrid Artificial Intelligence Systems</i> https://doi.org/10.1007/978-3-031-40725-3_60 An Unsupervised Threshold based GrowCut Algorithm for Mammography Lesion Detection <i><u>Cristiana Moroz-Dubenco</u>, Adél Bajcsi, Anca Andreica, Camelia Chira</i> <i>26th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems</i> https://doi.org/10.1016/j.procs.2022.09.269
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	SERS liquid biopsy in breast cancer. What can we learn from SERS on serum and urine? <i>Stefania D. Iancu, Ramona G. Cozan, Andrei Stefancu, Maria David, Tudor Moisoiu, <u>Cristiana Moroz-Dubenco</u>, Adel Bajcsi, Camelia Chira, Anca Andreica, Loredana F. Leopold, Daniela Eniu, Adelina Staicu, Iulian Goidescu, Carmen Socaciu, Dan T. Eniu, Laura Diosan, Nicolae Leopold</i> <i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</i> https://doi.org/10.1016/j.saa.2022.120992 Mammography Lesion Detection Using an Improved GrowCut Algorithm <i><u>Cristiana Moroz-Dubenco</u>, Laura Dioşan, Anca Andreica</i> <i>25th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems</i> https://doi.org/10.1016/j.procs.2021.08.032 Comparison of Gradient based Edge Detectors Applied on Mammograms <i><u>Cristiana Moroz-Dubenco</u></i> <i>Studia Universitatis Babeş-Bolyai</i> https://doi.org/10.24193/subbi.2021.2.01
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