MARC CASIAN-NICOLAE

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EDUCATION

National College "Avram Iancu", Campeni *2011-2015*
Mathematics and Computer Science, GPA-9.93/10

University Babe-Bolyai, Cluj-Napoca *2015-2018*
Faculty of Mathematics and Computer Science, Bachelor degree in Computer Science
Thesis: 10/10; Bachelor Exam: 9/10; GPA: 9.8/10

University Babe-Bolyai, Cluj-Napoca *2018-2020*
Faculty of Mathematics and Computer Science, Master degree in Applied Computer Intelligence

Johannes Kepler University, Linz *Feb-July 2019*
Exchange student, Master degree in Applied Computer Intelligence

WORK EXPERIENCE

MindCoding, Programming contest- Cluj-Napoca, Romania 2016 - 2017
Scientific Committee Member *3rd & 4th Edition*

LearnHouse- Cluj-Napoca, Romania May 2016 - October 2016
Volunteer teacher

Bitdefender - Cluj-Napoca, Romania February 2016 - July 2020
Trainee *Feb 2016 - May 2016*
Junior Software Engineer *Jul 2016 - Feb 2018*
Software Engineer *Feb 2018 - Jul 2020*
Scrum master *Jun 2018 - Feb 2019*
Technical Lead *Jan 2020 - Jul 2020*

Amazon - Madrid, Spain August 2020 - Present
Software Engineer Developer II

PERSONAL PROJECTS

KarySOM, KaryML - Research project on automated karyotyping problem.
Conference Management System - Coordinated a team of six students during development of a university project
EpiFriend(PoC) - developed in a team of 5 members. It is an application that detects an epilepsy crisis using Hitoe t-shirt and send alerts to yours trusted contacts (friends)
Face Mask Detector(PoC) - developed in a team of 9 members during a 48h coding marathon against COVID-19. It is an AI based approach to detect people that are not wearing facial masks in a public environment

SCIENTIFIC PUBLICATIONS

KarySOM*: An Unsupervised Learning based Approach for Human Karyotyping using Self-Organizing Maps Casian-Nicolae Marc-Gabriela Czibula - 2018 IEEE 14th International Conference on Intelligent Computer Communication and Processing (ICCP) - 2018*

KaryML*: A study towards using unsupervised learning in automating Human Karyotyping. Student Scientific Communication - 1st place - Best student paper - Babe-Bolyai" University - 2020*

SKILLS

Python, MySQL, GIT	Experience level: 4 years software development and personal projects
Linux	Experience level: used almost daily
Machine Learning	Experience level: personal projects, research projects
Java, PHP, Batch, Shell	Experience level: personal projects and educational projects (medium)

AWARDS

Informatics Olympiad	County phase: 2nd Place 2014, 1st Place 2015
	National phase: 34th Place 2015
Catalysts Coding Contest	3rd Place 2016 (Cluj-Napoca, Romania)
	6th place 2019 (Linz, Austria)
	2nd place 2020 (Oradea, Romania)
Others	Multiple awards and mentions at inter-county algorithmic competitions

PERSONAL TRAITS

Highly motivated and eager to learn new things.
Strong motivational and leadership skills.
Ability to work as an individual as well as in group.
I'm the one who brings the good vibe.

VOLUNTEER ACTIVITIES

Project **Live positive life** and other activities in the students school council (high school)
Hermes (Mathematics and Computer Science students association) Oct 2015 - Jan 2017