

MARC CASIAN-NICOLAE

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EDUCATION

National College "Avram Iancu", Campeni 2011-2015
Mathematics and Computer Science, GPA-9.93/10
University "Babeş-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 "Babeş-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 - "Babeş-Bolyai" University - 2020

SKILLS

Python, MySQL, GIT
Linux
Machine Learning
Java, PHP, Batch, Shell

Experience level: 4 years software development and personal projects
Experience level: used almost daily
Experience level: personal projects, research projects
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 student’s school council (high school)
Hermes (Mathematics and Computer Science students association) Oct 2015 - Jan 2017