Ciprian-Mihai Ceaușescu

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Employment History

- II/2023 - Present — **Teaching assistant.** University of Bucharest - Faculty of Mathematics and Computer Science, Bucharest (Romania). Machine Learning, Software Development Methods, Algorithms & Programming.
- VIII/2023 - VIII/2025 — **ML and CV Engineer.** Fordaq, Bucharest (Romania).
- VIII/2020 - VIII/2023 — **ICT Teacher.** Cambridge School of Bucharest, Bucharest (Romania).
- VIII/2022 - II/2023 — **ML and CV Engineer.** Quaesta AI, Cluj-Napoca (Romania).
- III/2020 - VI/2021 — **ML Engineer.** Zaya Artificial Intelligence, Zaya, Bucharest (Romania).
- X/2019 - III/2020 — **Project Assistant.** Institute for Microelectronics, T.U Vienna, Vienna (Austria).
- I/2019 - IV/2019 — **Scientific Intern.** Alistarh Group - Institute of Science and Technology Austria, Klosterneuburg (Austria).
- X/2017 - I/2019 — **Teaching assistant.** University of Bucharest - Faculty of Mathematics and Computer Science, Bucharest (Romania). Distributed Systems, Software Development Methods, Advanced Programming Techniques.

Education

- X/2020 - Present — **PhD in Artificial Intelligence.** University of Bucharest - Faculty of Mathematics and Computer Science, Bucharest (Romania).
  Applying ML techniques in medical image analysis.
- III/2021 - VI/2021 — **Teaching Module II.** University of Bucharest - Faculty of Psychology and Educational Sciences, Bucharest (Romania).
- X/2019 - III/2020 — **Teaching Module I.** University of Bucharest - Faculty of Psychology and Educational Sciences, Bucharest (Romania).
- X/2017 - VI/2019 — **Master of Software Engineering.** University of Bucharest - Faculty of Mathematics and Computer Science, Bucharest (Romania).
  I was granted with a merit-based scholarship in all the study years.
  Thesis title: *Line search methods for first and second order optimization - Machine Learning (Python)*.
- X/2013 - VI/2017 — **Bachelor of Engineer in Computers and Information Technology.** University of Bucharest - Faculty of Mathematics and Computer Science, Bucharest (Romania).
  I was granted with a merit-based scholarship in all the study years.
  Thesis title: *Automatic grading for multiple-choice test papers - Computer Vision (Python)*.

Publications

VIII/2022 - IX/2022	**Cerebral Metastases Segmentation using Transfer Gliomas Learning and GrabCut**. SYNASC 2022.
X/2022 - XII/2023	**Coreset based Medical Image Anomaly Detection and Segmentation**. VISAPP 2024 (part of VISIGRAPP 2024).
I/2024 - VIII/2024	**From semantic segmentation of natural images to medical image segmentation using ViT-based architectures**. S+SSPR 2024.
VIII/2024 - VII/2025	**Multi-Dataset Cross-Domain Knowledge Distillation for Medical Image Segmentation**. KES 2025.
I/2025 - IX/2025	**Map Generation from Overlapping Microscopy Images using Stitching Methods**. ICTAI 2025.
V/2025 - I/2026	**Content-Based Image Retrieval in Histopathology and Gastrointestinal Endoscopy: A Comparative Study of Deep Models**. Adv. Artif. Intell. Mach. Learn., 2026.
V/2025 - II/2026	**Multi-Dataset Cross-Domain Knowledge Distillation for Unified Medical Image Segmentation, Classification, and Detection**. arXiv preprint arXiv:2605.01563. Submitted to MLWA Journal.
I/2026 - V/2026	**A Unified Framework for the Detection and Classification of Fatty Pancreas in Ultrasound Images**. arXiv preprint arXiv:2605.07466. Submitted to ICSOFT.
	MTL-MAD: Multi-Task Learners are Effective Medical Anomaly Detectors. arXiv preprint arXiv:2605.05891. Submitted to NeurIPS.

Courses

II/2022 - Present	**Machine Learning Expert.** AlgoExpert.
IX/2019 - II/2020	**Self-Driving Car Engineer Nanodegree Program.** Online course of building AI systems for cars, Udacity.
VII/2019	**Eastern European Machine Learning Summer School.** Politehnica University of Bucharest, Bucharest (Romania).
III/2018 - V/2018	**ING {Dev}School.** ING, Bucharest (Romania). Java programming course.
VIII/2016 - XII/2016	**Course of programming in Java.** Infoacademy, Bucharest (Romania).
X/2014 - IX/2015	**CCNA Routing and Switching: Introduction to Networks, Routing and Switching Essentials, Scaling Networks.** Infoacademy, Bucharest (Romania).

Personal Skills

Mother tongue(s)	Romanian.
Other language(s)	English - Fluent.
	French - Beginner.
	German - Beginner.
Communication	The HR membership in student association gave me the opportunity to work and communicate with different people.
Organisational	Leadership - Students' Council.
Programming	C/C++, Java, Python, PHP.

Personal achievements

V/2019 — **Brasov International Marathon.** Brașov (Romania). 1st Marathon 42.195km in 05:40:05.

III/2018 — **Google Hash Code.** Bucharest (Romania). Programming contest. ”Crackers” - Team ranked: 600/4852 in the world.

Interests and hobbies

Interests
- Teaching.
- Artificial intelligence.
- Algorithms.
- Python / Java programming / Parallel and concurrent programming / Networking.

Hobbies
- Running / Ciclying.