Andrei **Arhire**

IAȘI · ROMÂNIA

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Education

"Alexandru Ioan Cuza" University of Iași,, FACULTY OF COMPUTER SCIENCE　　　　　　　　　　　*Iași, România*

PH.D research topics: artificial intelligence; computer vision; deep learning; image restoration, enhancement, and
understanding; learning paradigms; computational photography; inference on mobile devices. Profile link:　**gscholar**　　*2025-2029*

MASTERS DEGREE in Computer Science, Master's thesis **10 / 10**: "Learned Lightweight Smartphone ISP with Unpaired Data"　*2023-2025*

BACHELOR DEGREE in Computer Science, Thesis **9.875 / 10**: "A Heuristic Solver for the Directed Feedback Vertex Set Problem"　*2019-2022*

"Spiru Haret" National College　　　　　　　　　　　　　　　　　　　　　　　*Tecuci, Galați, România*

HIGH SCHOOL & MIDDLE SCHOOL　　　　　　　　　　　　　　　　　　　　　　　*2015-2019 & 2011-2015*

Research

Publications

2025　　**CVPRW**, **Andrei Arhire**, Radu Timofte. "Learned Lightweight Smartphone ISP with Unpaired Data". In　　　*Nashville, TN, USA*
　　　　Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) Workshops.

2025　　**CVPRW**, Andrey Ignatov *et al.* "Learned Smartphone ISP on Mobile GPUs, Mobile AI 2025 Challenge: Report".　*Nashville, TN, USA*
　　　　In Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) Workshops.

Skills

Soft	Communicative, Creative, Team player, Critical thinker, Organized, Empathetic, Willing to learn
Advanced	Data Structures, Algorithms, Graph Theory, JAVA, Reverse Engineering
Experienced with	Object Oriented Programming, C/C++, Python, PyTorch, TensorFlow, Mentoring
Spoken Languages	English (fluent), Romanian (native)

Work Experience

"Alexandru Ioan Cuza" University of Iași,, FACULTY OF COMPUTER SCIENCE　　　　　　　　　　*Iași, România*

RESEARCH ASSISTANT　　　　　　　　　　　　　　　　　　　　　　　　　*Sept. 2025 - Present*

"Alexandru Ioan Cuza" University of Iași,, HIGH SCHOOL OF THE UNIVERSITY　　　　　　　　　　*Iași, România*

TEACHER OF INFORMATION AND COMMUNICATION TECHNOLOGY　　　　　　　　　　　　　*Sept. 2023 - June 2024*

Bitdefender, CYBER THREAT INTELLIGENCE LAB　　　　　　　　　　　　　　　　　*Iași, România*

JUNIOR SECURITY RESEARCHER　　　　　　　　　　　　　　　　　　　　　　*July 2022 - Oct. 2022*

Awards and Committees

2020-23　**Member**, Problem author for: National Olympiad in Informatics, INFOPRO, FIICode, Sapientia ECN.

2024-25　**Member**, Scientific Committee of Romanian ICPC

2021-25　**Member**, of the Teaching Staff, "Hai la Olimpiadă" Excellence Center.

2021-23　**Ranked: 30, 17, 29**, ICPC South-East European Regional Contest, part of a three-students team.

2021, 24　**Ranked: 22, 31**, CloudflightCodingContest, part of a three-students team.

2022-24　**Ranked: 7, 6, 9**, PACE Challenge, Heuristic Track.

2023　**Ranked: 4 (First Place among student teams)**, PACE Challenge, Exact Track.