Curriculum vitae

PERSONAL INFORMATION

ELENA – RUXANDRA LUȚAN

Craiova, Dolj, Romania

elena.ruxandra.lutan@gmail.com

https://dblp.org/pid/357/1192.html

https://www.researchgate.net/profile/Ruxandra-Lutan

https://scholar.google.com/citations?user=OBqnncsAAAAJhl

ORCID 0000-0001-5363-9930

Nationality Romanian

WORK EXPERIENCE

October 2024 – Present — University Assistant

UNIVERSITY OF CRAIOVA
Department of Computers and Information Technology

Main activities:

- Laboratory sessions for Databases, Concurrent and Distributed Systems, Algorithm Design
- Seminar sessions for Algorithm Design

February 2024 – Present — Senior Software Developer – Problem Change Manager

HELLA Romania SRL

Main activities:

- Communicate with the stakeholders regularly, providing updates, feedback and support
- Facilitate the adoption and adaptation of the change
- Address any issues, concerns or barriers that may arise during analysis and implementation of change
- Traking of project change requests and issues reports

October 2022 – October 2024 — Associate Teaching Assistant

UNIVERSITY OF CRAIOVA
Department of Computers and Information Technology

Main activities:

- Laboratory sessions for Concurrent and Distributed Systems
- Seminar sessions for Algorithm Design

July 2020 – May 2024 — Senior Software Developer – Requirements Manager

HELLA Romania SRL

Main activities:

- Analyze, formulate and prioritize project requirements
- Maintenance of requirements process based on project requirements engineering plan
- Maintenance and update of database for project requirements
- Usage of Requirements Management Tool IBM Doors Database and DXL scripting

September 2018 – July 2020 — Junior Software Developer

HELLA Romania SRL

Project Role: Requirements Manager and Developer
Main activities:

- requirements management
- Matlab applications, Simulink, TPT

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EDUCATION AND TRAINING

2022 – present

PhD -Student

University of Craiova
Doctoral School „Constantin Belea” of the Faculty of Automation , Computers and Electronics
Domain Computers and Information Technology

2020 – 2022

Master of Computer and Information Tehnology

University of Craiova
Faculty of Automation, Computers and Electronics
Program: Information Systems for E-Business
Graduation Average: 10 / 10

2020 – 2022

Psycho-pedagogical Training Program - Module II

University of Craiova
Master degree
Speciality Computer Science

2017 – 2020

Psycho-pedagogical Training Program - Module I

University of Craiova
Bachelor degree
Speciality Computer Science

2016 – 2020

Bachelor of Engineering in Computer Science

University of Craiova
Faculty of Automation, Computers and Electronics
Speciality Computers (in English language) – Software
Engineer Diploma
Graduation as valedictorian

June - July 2018

NetRom Summer Camp

NetRom
Summer Internship Program

March - May 2018

HELLA Embedded Programming Workshop” 5th Edition

HELLA
Workshop Program consisting of implementation of an automatic climate system

November 2017 – January 2018

Course ”STL for Competitive Programming and Software Development”

NetRom and Caphyon
Workshop Program for STL Principles and Practice

2012 — 2016

Baccalaureat Diploma

National College „Fratii Buzesti” Craiova
Mathematics - Informatics Bilingual French Profile

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2004 — 2012

1 – 8 School Grades

High School of Fine Arts „Marin Sorescu” Craiova
Artistic Profile, Speciality Music – Piano
Graduation Average: 10 / 10
National Exam Grade: 10 / 10

PERSONAL SKILLS

Mother tongue Romanian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
	Cambridge English Level 2 Certificate in ESOL International (Advanced) grade C 2015				
French	B2	B2	B2	B2	B2
	Diplome d’Etudes en Langue Francaise DELF B2 2015				
German	B1	B1	B1	B1	B1

Communication skills

- Good communication skills acquired through participation in the National Competition "Together in a Unified Europe" where I held presentations in German Language, 2012 and 2013.
- Participation in the German Culture and Civilization Competition „Deutsch Vergnugen” 2011.
- Communication and presentation skills acquired as trainer for new employees at HELLA during 2021 – 2023.

Organisational / managerial skills

- Synthesis and analysis capacity, capacity to solve problems, motivated, with excellent organizational and planning skills, goal-oriented
- Faculty Group Leader (Main Contact Person for the Faculty Group) during 2nd and 3rd Bachelor degree and during the both years of Master Degree.

Digital competences

SELF-ASSESSMENT				
Information Processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital competences - Self-assessment grid

ECDL BAC Profile

Computer skills

- competent with most Microsoft Office programmes
- experience with Python, Java, DXL
- 6+ years experience with Requirements Management Tool IBM DOORS
- 5+ years experience with PTC Integrity Lifecycle Manager

Other skills

- Member of school choir at High School of Fine Arts „Marin Sorescu”
- Capable of rapidly acquiring knowledge, quick learning and training of new professional skills
- Observation Spirit
- Tendency to Perfectionism

Driving licence B (since 2015)

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PUBLICATIONS

[1] Elena-Ruxandra Luţan and Costin Bădică. “Systematic Features Selection in Content-Based Filtering Books Recommender System”. In: *IEEE International Conference on Systems, Man and Cybernetics (volume under publication)*. 2025.

[2] Elena-Ruxandra Lutan. “Challenges in Perfume Recommender Systems: Navigating Subjectivity, Context and Sensory Data”. In: *Proceedings of the Nineteenth ACM Conference on Recommender Systems*. RecSys ’25. Association for Computing Machinery, 2025, pp. 1469–1472. URL: https://doi.org/10.1145/3705328.3748754.

[3] Elena-Ruxandra Luţan and Costin Bădică. “Literature Books Recommender System using Collaborative Filtering and Multi-Source Reviews”. In: *Proceedings of the 19th Conference on Computer Science and Intelligence Systems FedCSIS 2024*. Oct. 2024, pp. 225–230. URL: https://doi.org/10.15439/2024F9868.

[4] Elena-Ruxandra Luţan and Costin Bădică. “Affective Analysis of Literature Books - Detective Novels and Short Stories of Agatha Christie”. In: *Advances in ICT Research in the Balkans*. 2025, pp. 105–117. URL: https://doi.org/10.1007/978-3-031-84093-7_8.

[5] Elena-Ruxandra Luţan, Costin Bădică, and Nicolae Iulian Enescu. “Cross-Domain Emotion-Based Recommender System for Books and Movies”. In: *2024 International Conference on INnovations in Intelligent SysTems and Applications (INISTA)*. 2024, pp. 1–6. URL: https://doi.org/10.1109/INISTA62901.2024.10683850.

[6] Elena-Ruxandra Luţan and Costin Bădică. “Experimenting Emotion-Based Book Recommender Systems with Social Data”. In: *Information Technology for Management: Solving Social and Business Problems through IT*. 2024, pp. 164–182. URL: https://doi.org/10.1007/978-3-031-61657-0_8.

[7] Elena-Ruxandra Luţan and Costin Bădică. “Emotion-Based Literature Books Recommender Systems”. In: *Proceedings of the 18th Conference on Computer Science and Intelligence Systems*. Vol. 35. 2023, pp. 275–280. URL: https://doi.org/10.15439/2023F8647.

[8] Elena-Ruxandra Luţan, Costin Bădică, Maria Ganzha, and Marcin Paprzycki. “Emergent Topic-Based Classification of Literature Books Using Social Data Analysis”. In: *In Proceedings of 16th International Symposium on Intelligent Distributed Computing. IDC 2023*. 2023, pp. 101–115. URL: https://doi.org/10.1007/978-3-031-60023-4_13.

[9] Elena-Ruxandra Luţan and Costin Bădică. “Personalized Quiz-Based Perfume Recommender System Using Social Data”. In: *Proceedings of 15th International Conference on Computational Collective Intelligence ICCCI 2023*. Vol. 1864. 2023, pp. 30–43. URL: https://doi.org/10.1007/978-3-031-41774-0_3.

[10] Elena-Ruxandra Luţan and Costin Bădică. “Emotion-Based Literature Book Classification Using Online Reviews”. In: *Electronics* 11.3412 (2022). URL: https://doi.org/10.3390/electronics11203412.

[11] Ruxandra Luţan. “Mathematics problem proposal for XIth grade, Problem Number 5”. In: *Mathematics Supplement of Magazine of College „Fratii Buzesti"*. Vol. 7, p. 54.

Contributor as problem solver in Mathematics Magazine „Gazeta Matematica” ISSN 1584-9333 during 2012-2016

ADDITIONAL INFORMATION

Projects

May 2021 – August 2021
NATO Science for Peace Multi-Year Project SPS G5700, “Management of Mass Casualty via an Artificial Intelligence Based System”

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