

PERSONAL INFORMATION

Portase Raluca Laura



📍 M03, Baritiu 26-28, Cluj Napoca, Cluj, România

✉ raluca.portase@cs.utcluj.ro

Sex female | Nationality Romanian

WORK EXPERIENCE

March 2025 - Present

Lecturer

Technical University of Cluj Napoca

- Responsible for course, seminar and laboratory session for Time Series Analysis, Master
- Responsible for laboratory sessions and seminars of Fundamental Algorithms and Logical Programming, Bachelor
- Coordinating students on their bachelor diploma projects.

March 2022 - March 2025

Teaching Assistant

Technical University of Cluj Napoca

- Responsible for laboratory sessions and seminars of Fundamental Algorithms and Logical Programming.
- Coordinating students on their bachelor and master diploma projects.

May 2023 - August 2023
January 2022 - June 2022
January 2020 - March 2020

Research Assistant

Technical University of Cluj Napoca

- Worked at several international research projects on topics such as Predictive Maintenance, Connectivity Data Mining and Appliances Data Engineering

November 2018 – Present

Senior Software Engineer

Sector Labs

- Working as a software engineer at some of the largest real estate portals in Asia with more than 200 million sessions per month, where the focus is on providing scalable and reliable systems with high availability.
- Participating at recruiting and mentoring new employees

October 2017 – February 2022

Associate Teacher

Technical University of Cluj Napoca

- Responsible for laboratory sessions of Fundamental Algorithms and Logical Programming.

Ianuarie 2017 - November 2018

Staff Software Engineer

National Instruments Romania

- Specify, design, implement and document software features and capabilities for LabVIEW NextGen FPGA Module and LabVIEW 2019 FPGA.
- Working on developing and optimising software features and capabilities for high-performance JavaScript charting library used by LabVIEW NXG WebVI.
- Recruiting new employees and mentoring interns

June 2016 – September 2016

Research Intern

INRIA, Laboratoire de l'Informatique du Parallélisme Ecole Normale Supérieure de Lyon, France

- Optimisation of direct methods for solving sparse linear systems of equations. Multi-criteria assignment problem in bipartite graphs concluding in a publication.

EDUCATION AND TRAINING

2019–2024

PhD

Technical University of Cluj Napoca, Computer engineering
Performed various data analysis techniques on real industrial big data in the context of time series processing, predictive and preventive maintenance and as a step towards better resources management (including electricity demand).

2017–2019

Master's Degree

Technical University of Cluj Napoca, Software Engineering

2013–2017

Bachelor's Degree

Technical University of Cluj Napoca, Computer engineering

PERSONAL SKILLS

Mother tongue(s)

Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

Main skills

- Performing data analysis and applying various machine learning techniques
- Mentoring and leading research and development for university students and junior software engineers
- Designing, implementing and testing software functionalities and capabilities using various programming languages such as Python, JavaScript, HTML, CSS, C, Prolog
- Leadership skills due to teaching in the past 6 years and being the student representative for my school year during bachelor and master studies

Other work related skills

- Teaching, Mathematics, OOP design, Recruiting, Search engine optimization
- Using the following OS systems Windows, MacOS, Linux.

ADDITIONAL INFORMATION

Publications

- 6 papers in journals ISI Q2
- 17 conference papers ISI/WOS
- 1 speciality volume

Contests and awards

- Best paper award from The Fifteenth International Conference on Information, Process, and Knowledge Management eKNOW 2023 with paper: Prediction Pipeline on Time Series Data Applied for Usage Prediction on Household Devices
- Bronze medal at the 8th edition of South Eastern European Mathematical Olympiad for University Students
- Participated at 5th and 6th edition of Ariel Team Internet Mathematical Olympiad
- 5th place at "Traian Lalescu" National Mathematical Contest for University students