europass Curriculum Vitae

PERSONAL INFORMATION

Cațaron Angel-Doru



cataron@unitbv.ro

http://vega.unitbv.ro/~cataron

WORK EXPERIENCE

2019-TO DATE
2003-2019

Associate professor
Lecturer

Transilvania University of Brașov, Faculty of Electrical Engineering and Computer Science, Department of Electronics and Computers

- Labs, seminars and courses: C++ Programming, Object Oriented Programming, Databases, Artificial Intelligence, Algorithm Design, Data Structures, Applications in Bioinformatics
- Elaboration of materials for courses and laboratories
- Guiding students for the completion of diploma theses, member of doctoral student guidance committees
- Research activities, publication of papers in magazines or at specialized conferences in fields such as artificial intelligence, automatic learning, data analysis, knowledge extraction
- Coordination of research projects as project director, participation in project teams, contributions to project submissions
- Administrative activities: timetable development, tutoring activities

Business or sector Education

2014-to date

Software engineer

SC Siemens SRL

- Research/development activities for artificial intelligence applications, machine learning, data analysis, software architectures and systems in the field of industrial equipment and Industrial IoT
- Technical expert for condition monitoring and diagnostics of industrial equipment using data analysis and artificial intelligence

Business or sector Software industry

2001-2014

Software engineer

SC Synertrade SRL

- Development of the architecture and technical specifications for various modules of the ST6 platform: Optimization and Simulation in the development of electronic purchases, Contract Management
- Analysis of the technical requirements of the clients
- Collaboration with consultant, development and testing teams

Business or sector Software industry

1999-2003

Assistant lecturer

Transilvania University of Brașov, Faculty of Electrical and Computer Engineering, Department of Electronics and Computers

- Labs, seminars and courses: Object Oriented Programming, C++ Programming, Databases, Neural Networks

Business or sector Education

1997-1999

Teaching assistant (Preparator universitar)

Transilvania University of Brașov, Faculty of Electrical and Computer Engineering, Department of Electronics and Computers

- Labs and seminars: Object Oriented Programming, C++ Programming, Neural Networks, Image Processing, Signal Processing

Business or sector Education

1996-1997

Software engineer

SC NETLOGIC Computers SRL, Brașov (Romania)

- Database application software engineer

Business or sector Software industry

EDUCATION AND TRAINING

2004

PhD

Politehnica University of Bucharest, field of Electronic and Telecommunications Engineering

- Title of the thesis: *Neural networks for speech recognition*
- "Cum Laude" distinction

1995-1996

Master

Polytechnic University of Bucharest, Faculty of Electronics and Telecommunications, specialization Images, shapes and artificial intelligence

- The title of the dissertation: *Speech recognition using time-delay neural networks.*

1990-1995

Engineer

Transilvania University of Brasov, Faculty of Electrical Engineering, Applied Electronics specialization

- Bachelor thesis: *Implementation of logical functions using neural networks*.

COMMUNICATION AND INTERPERSONAL SKILLS

Mother tongue: Romanian

Other language

	UNDERSTANDING		SPEAKING		SCRIERE
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
French	B2	B2	B2	B2	B2
German	A2	A2	A2	A2	A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
Common European Framework of Reference for Foreign Languages

Communication skills

- communication skills acquired through teaching experience
- team spirit, engagement in teaching and research activities, creativity and support for colleagues
- mediation skills, positive and active attitude, aspects of intra- and intercultural dialogue acquired through the activity as a member of work teams and project manager
- intercultural skills acquired through study and living experiences in various European countries that

helped me to understand cultural differences, to value my own education and culture and to easily adapt to new conditions

Management and leadership skills
- managerial skills acquired through the position of project manager
- experience in managing teams

Organisational skills
- the ability to deal with, understand and learn complex concepts
- the ability to work in teams or independently
- research experience

STAGII

2000 **Visiting fellow**

Universitat Autonoma de Barcelona, Spain

- Development of the Computer Programming (C++) course

1998 **Visiting researcher**

Northern Ireland BioEngineering Center, UK

- Research contract: Speech recognition

1996 **Visiting student**

University of Ulster at Jordanstown, UK

- Research field: Speech recognition