PERSONAL

ŢEREI CARMEN
carmen_terei@yahoo.com
Phone number: +40 741 765 965
Nationality: Romanian

WORK EXPERIENCE

02.2026 – present
Assistant professor
”Aurel Vlaicu” University, Faculty of Exact Sciences, Department of Mathematics-Informatics, Str. Elena Drăgoi, no. 2, Arad, România

01.2025 – 03.2026
Formator
Project „Digitalizarea UAV – Universitatea 5.0”, beneficiary ”Aurel Vlaicu” University of Arad
Modules: Computers and software basic notions, Microsoft Word, Excel, Powerpoint

10.2024 – 01.2026
Assistant professor (adjunct)
”Aurel Vlaicu” University, Faculty of Exact Sciences, Department of Mathematics-Informatics, Str. Elena Drăgoi, no. 2, Arad, România

07.2019 – 07.2024
Embedded C/C++ developer/SW tester/Requirements engineer for Automotive
Arobs Transilvania Software SA, https://arobs.com/
Main activities:
- Software development and maintenance (embedded C/C++) for several car manufacturers (Audi, BMW, Mercedes, Bentley)
- Unit testing (Google test)
- Development and maintenance of project specific documentation(ORMs, test reports, traceability reports)
- Requirements engineering (mainly SW): analysis, implementation in DOORS, reviews, clarifications, traceability analysis
- Provided help on Software Detailed Design for some modules
- Responsible for ASPICE assessment for SW Requirements Analysis (SWE.1)
- Preparation of MLC for System Analysis of KGAS items regarding requirements
- Functional safety (ISO 26262)

Working with: Visual Studio (C/C++), GoogleTest, Testwell CTC++, DOORS, Sourcetree, TraceIt, MKS Integrity, Jira, Confluence, Squore, Jazz

10.2016 – 07.2018
Life insurance consultant
NN Asigurări de Viață, Blvd. Revoluției, no. 56, Arad, România

03.2008 – 09.2016
Assistant professor
”Aurel Vlaicu” University, Faculty of Exact Sciences, Department of Mathematics-Informatics, Str. Elena Drăgoi, no. 2, Arad, România
Main activities: Teaching informatics courses to students (introduction to programming, algorithms, data structures, object oriented programming – C/C#/Java), continuous planning of the activities, evaluation, tutoring.
Research – author and co-author of several C/C#/Java books and articles on C language,C#, cloud technology.

06.2010 – present **Freelancing**
Several projects (in the medical and financial fields) using mainly Java, MySQL, reporting tools.

10.2004 – 03.2008 **Teaching assistant**
"Aurel Vlaicu" University, Faculty of Exact Sciences, Department of Mathematics-Informatics, Str. Elena Drăgoi, no. 2, Arad, România
Main activities: Teaching informatics courses to students, research.

EDUCATION

10.2025 – present **Phd student**
West University, Faculty of Informatics,
Str. Vasile Pârvan, no.4, Timișoara, România

10.2004 – 03.2006 **Master Degree in Informatics**
"Aurel Vlaicu" University, Faculty of Economics,
Str. Elena Drăgoi, no. 2, Arad, România

10.2000 – 06.2004 **Bachelor Degree in Informatics**
West University, Faculty of Mathematics and Informatics,
Str. Vasile Pârvan, no.4, Timișoara, România

09.1996 – 06.2000 **Baccalaureate**
"Moise Nicoară" High school, Arad, România

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	B2	C1
French	B1	B1	B1	A2	B1
Other languages: Spanish (A2), Italian (A2)					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills Strong communication skills developed through academic teaching experience and automotive software engineering projects

Organisational skills

Strong organisational and leadership skills developed through extensive academic teaching experience, mentoring, and coordination of software engineering activities in automotive projects.

Job-related skills

- Proven ability to plan, structure and coordinate technical activities across academic and software development environments
- Experience delivering results under time constraints while balancing multiple technical and organizational priorities
- Strong focus on software quality, maintainability and traceability in both academic and industrial contexts
- Detail-oriented approach applied in requirements engineering, documentation and system validation processes
- Resilient and adaptable in complex, multi-stakeholder engineering environments

Computer skills

Microsoft Office™ tools

Programming Languages

- Java, C/C++, C#, Python, PHP

Backend & Enterprise Frameworks

- Spring Framework (Spring Boot, Spring Security)
- Maven
- REST APIs, Microservices

Frontend Technologies

- HTML5, CSS, JavaScript
- React
- Angular

Databases

- MySQL, MongoDB

DevOps & Tools

- Docker, Kubernetes
- Git (Sourcetree)
- Jira, Confluence

Testing

- Unit Testing (GoogleTest)
- Static analysis / code quality tools (Testwell CTC++)

Systems / Engineering Tools

- IBM DOORS
- MKS Integrity
- Squore
- Traceability & requirements management tools

Reporting & Data

- JasperReports (iReport)
- Power BI

Operating Systems

- Windows (advanced user), Linux (basic/intermediate)

IDEs & Development Tools

- Visual Studio, VS Code, Eclipse, NetBeans

Virtual environments (Oracle VM, VMWare, Citrix)

Certifications

- Trainer certificate (Formator, COR 242401): plan, develop, implement and evaluate training and development programs to ensure that both the management team and staff acquire the skills and develop the competencies required by the organization to achieve organizational objectives.
- E-learning developer in Moodle platform (COR 235905)
- Didactician in informatics (POSDRU 87/1.3/S/63709)

Arad, 21.09.2026