PERSONAL	**ŢEREI CARMEN**

✉ carmen_terei@yahoo.com
Phone number: +40 741 765 965
Date of birth: 21/01/1982
Nationality: Romanian

WORK EXPERIENCE

10.2024 – present

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	- good communication skills gained through my experience as assistant professor and working in automotive projects

Organisational skills	- leadership

Job-related skills	- good planning skills acquired with the teaching experience and the automotive projects
	- time management to meet deadlines and prioritize tasks
	- results oriented
	- positive
	- team oriented
	- creative
	- resilient
	- meticulous

Computer skills	- Microsoft Office™ tools
	- advanced Windows and beginner Linux user
	- Java, C# programming languages
	- databases (MySQL)
	- Python
	- web pages (HTML, CSS, JavaScript, React, Canva)
	- editing software: Latex
	- mathematical software (MathCad)
	- Embedded C/C++
	- Visual Studio
	- Unit Testing (Google test)
	- Testwell CTC++
	- Atlassian Jira
	- Confluence
	- IBM Rational DOORS
	- Git (Sourcetree)
	- Integrity MKS
	- TraceIt
	- Squore
	- Docker/Kubernetes/OpenLens
	- Data analysis (Power BI)
	- JasperSoft, iReport
	- 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)

List of Publications
Carmen Țerei (previously Fifor)

1. 6 books (in Romanian)

1. C. Fifor, *Introducere în programare. Limbajul C – Teorie şi probleme rezolvate*, "Aurel Vlaicu" Univ. Press, Arad, 186 pag., 2006, ISBN 978-973-752-172-9
2. C. Fifor, *Programare orientată obiect: Introducere în Java*, "Aurel Vlaicu" Univ. Press, Arad, 153 pag., 2009, ISBN 978-973-752-434-8
3. M. Tomescu and C. Fifor, *Programarea calculatoarelor – Introducere in limbajul C#*, "Aurel Vlaicu" Univ. Press, Arad, 127 pag., 2009, ISBN 978-973-752-397-6
4. C. Fifor, *Programare orientată obiect în Java*, "Aurel Vlaicu" Univ. Press, Arad, 183 pag., 2010, ISBN 978-973-752-513-0
5. M. Tomescu and C. Fifor, *Programarea algoritmilor in C#*, "Aurel Vlaicu" Univ. Press, Arad, 115 pag., 2010, ISBN 978-973-752-448-5
6. M. Tomescu and C. Fifor, *Programarea calculatoarelor – Introducere in limbajul C#* (2nd ed.), "Aurel Vlaicu" Univ. Press, Arad, 166 pag., 2010, ISBN 978-973-752-511-6

2. 1 journal article

1. S. Nădăban, T. Brînzar, F. Pater, C. Țerei, and S. Hoară, Katsaras's type fuzzy norm under triangular norms, *Th. & Appls. Math. & Comp. Sci.*, **5**(2):148-157, Jun. 2015.
   https://www.uav.ro/jour/index.php/tamcs/article/view/2209

3. 5 conference publications

1. C. Fifor, Techniques of optimizing C programs, *Proc. Intl. Symp. Res. & Edu. Innov. Era*, "Aurel Vlaicu" Univ. Press, Arad, 2006, pp. 203-208, ISBN 978-973-52-0108-1
2. C. Fifor, Failure detection in GRID, *Proc. Intl. Symp. Res. & Edu. Innov. Era*, "Aurel Vlaicu" Univ. Press, Arad, 2008, pp. 194-199, ISSN 2065-2569
3. C. Fifor, Control aspects in Cloud computing, *Proc. Intl. Symp. Res. & Edu. Innov. Era*, "Aurel Vlaicu" Univ. Press, Arad, 2010, pp. 38-42, ISSN 2065-2569
4. C. Fifor and M. Tomescu, Intelligent Cloud, *Proc. Intl. Symp. Res. & Edu. Innov. Era*, "Aurel Vlaicu" Univ. Press, Arad, 2010, pp. 75-78, ISSN 2065-2569
5. M. Tomescu, C.Fifor, A. Gînguţă, and A. Şandru, Fuzzy computing in C#, *Proc. Intl. Symp. Res. & Edu. Innov. Era*, "Aurel Vlaicu" Univ. Press, Arad, 2010, pp. 66-74, ISSN 2065-2569

Arad, 01.10.2025