

Informatii Personale



Calificare

## Zamfira Constantin-Andrei

### Inginer Software

EXPERIENTA de LUCRU

14.01.2008 - 01.04.2008

**Java Developer** (iQuest Cluj-Napoca)

- Crearea si mentenanta site-uri Web

01.03.2010 – 01.06.2010

**Progress Developer** (Yonder Cluj-Napoca)

- Crearea si mentenanta site-uri Web

01.11.2021 - prezent

**Progress Developer** (BNG Ferendia Resita)

- Java Enterprise Developer

EDUCATIE si FORMARE

01.10.2014 – 30.12.2019  
(Doctorat)

**Universitatea Politehnica Timisoara**  
Facultatea de Automatica si Calculatoare  
Calculatoare si Tehnologia Informatiei

01.10.2011 – 30.06.2013  
(Master)

**Universitatea Babes-Bolyai Cluj-Napoca**  
Facultatea de Matematica si Informatica  
Calculatoare si Tehnologia Informatiei

01.10.2004 – 30.06.2009  
(Licenta)

**Universitatea Tehnica Cluj-Napoca**  
Facultatea de Automatica si Calculatoare  
Calculatoare si Tehnologia Informatiei

Aptitudini

Limba nativa

Romana

Alte limbi

	Intelegere		Vorbit		Scris
	Ascultare	Citire	Interactiune vorbita	Pproductie vorbit	
Engleza	B1	B1	B1	B1	B1
	Certificat European de Competenta Lingvistica in Limba Engleza				
Franceza	A2	A2	A2	A2	B2
	Certificat European de Competenta Lingvistica in Limba Engleza				

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)

**Stagii Erasmus**

01.10.2015 – 01.04.2016	Telecom Bretagne, Brest, France - lucru pentru doctorat, tehnologiile Semantic Web - in sistemele de securitate cibernetica
01.10.2016 – 01.04.2017	Universite de Nice Sophia-Antipolis, Nice, France - lucru pentru doctorat, tehnologiile Semantic Web - in sistemele de securitate cibernetica
15.12.2017 – 15.02.2018	Universite de La Rochelle, La Rochelle, France - lucru pe proiecte de Sematic Web

**Competente Profesionale**

Limbaje de Programare

**Desktop:**

**Java (avansat):** Core, Colectii, Interfete Grafice (Swing, AWT, Applets), documente XML si XSLT (DOM, SAX), fisiere si fluxuri de date (serializare), thread-uri, lucrul cu bazele de date SQL Server, lucrul cu retele (TCP, UDP, Remote Method Invocation), sistemul help Java  
**C# (avansat):** cunostinte despre aceleasi tehnologii ca si Java  
**C(avansat):** notiuni core, structuri de date (liste, arbori, grafuri), aplicarea algoritmilor, crearea intergetelor GUI  
**C++(avansat):** la fel ca C plus programare orientata obiect in C++, avand cunostinte despre tehnologii asemanatoare celor din Java si C#  
**Python (mediu):** core, notiuni de programare procedurala si orientata obiect  
**PHP:** core, programare procedurala si orientata-obiect

**Web:**

**Tehnologii Web:** HTML5, JavaScript, JQuery, AngularJS  
**Java:** Servlets, Java Server Pages (JSP), Java Server Faces (JSF), Struts, Hibernate, Spring, SpringBoot4.0, Bootstrap4.0  
**C#:** Active Server Pages (ASP)  
**Tehnologii de Servicii Web:** SOAP, RestFul, Xml/RPC  
**Tehnologii Adobe:** Flash CS5, ActionScript 3.0.  
**Pagini dinamice:** AJAX, PHP 7,8:

Interese de cercetare

- a. **Semantic Web:** tehnologii de date RDF, RDFS, OWL, Logic, Trust and Proof
- b. **Internet of Things:** senzori, comunicatie de putere redusa, dispozitive alim. de la baterie, securitate si privatiune
- c. **Securitatea Cibernetica:** Sisteme de Detectie si Preventie a Intruziunilor (IDPS), detectie in host-uri si retele de calculatoare, metodologii de IDPS

Publicatii la doctorat in urma activitatii de cercetare:

1. A.Zamfira, H.Ciocarlie; "Developing an Ontology for Cybersecurity in Networks of Computers", Proceedings of 14th International Conference on Intelligent Computer Communication and Processing (ICCP'18), Cluj-Napoca, Romania (2018)
2. A.Zamfira, "An Object-Oriented Reasoner for Saturation of Logical Knowledge Bases", Proceedings of 15th International Conference on eLearning and Software for Education (eLSE'19), Bucharest, Romania (2019)
3. A.Zamfira, H.Ciocarlie; "Description Logics: Applications on the Semantic Web", Journal of Automation, Control and Applied Mathematics (ACAM), Technical University of Cluj-Napoca, vol.27, no.1 (2018)
4. A.Zamfira, H.Ciocarlie; "Description Logics in Inference and Reasoning Services and Systems", Journal of Automation, Control and Applied Mathematics (ACAM), Technical University of Cluj-Napoca, vol.27,no.1 (2018)
5. A.Zamfira, R.Fat, C.Cenan, "Applying Semantic Web Technologies to Discover an Ontology of Computer Attacks", Scalable Computing: Practics and Experience, vol.20, no.4 (2019)

6. A.Zamfira, H.Ciocarlie; *"Inference System to Achieve Saturation of (F,R,N) Knowledge Bases"*, Acta Technica Napocensis; Series: Applied Mathematics, Mechanics and Engineering, vol.62, no.3 (2019)
7. A.Zamfira; *"The Feasibility of Artificial Intelligence in Emulating Human Behaviour: An Analysis"*, Proceedings of 16<sup>th</sup> International Conference on eLearning and Software for Education, Bucharest, Romania (2021)
8. A.Zamfira; *"How Learning and Communication Processes Occur Naturally vs. Artificially: An Analysis"*, Proceedings of 17<sup>th</sup> International Conference on eLearning and Software for Education, Bucharest, Romania (2021)
9. A.Zamfira, R.Fat, C.Cenan; *"Towards the Next-Gen Technologies for World Wide Web: The Semantic Web"*, Bulletin of Politechnic Institute of Jassy, vol.66, no.1 (2020)
10. A.Zamfira, R.Fat, C.Cenan; *"Using Artificial Intelligence and Semantic Web Technologies Inside Cyberdefense Systems"*, Bulletin of POLitechnic Institute of Jassy, vol.65, no.2 (2019)
11. A.Zamfira, R.Fat, C.Cenan; *"Towards the Next-Gen Technologies for Internet: The Internet of Things"*, Journal of Automation, Control and Applied Mathematics (ACAM), Technical University of Cluj-Napoca, vol.28, no.1 (2020)
12. A.Zamfira, R.Fat, C.Cenan; *"How Well Does Computational Linguistics in Achieving its Task?"*, Journal of Automation, Control and Applied Mathematics (ACAM), Technical University of Cluj-Napoca (submis inspre review)
13. A.Zamfira, R.Fat, C.Cenan; *"Description Logics: A List of Complexity Results in Some of the Most Important Languages"*, Journal of Automation, Control and Applied Mathematics (ACAM), Technical University of Cluj-Napoca (submis inspre review)

**Teza doctorat:** *Contributii la Dezvoltarea si Standardizarea Web-ului Semantic;*  
conducator: prof. univ. Horia Ciocarlie, Univ. Politehnica Timisoara

#### Concursuri si Premii

Locul 4 la Concursul de Matematica, Univ. Tehnica Cluj-Napoca (2005)  
Locul 2 la Concursul de Matematica, Univ. Tehnica Cluj-Napoca (2006)  
Locul 1 la Concursul de Informatica, Univ. Tehnica Cluj-Napoca  
Sef de Promotie la Univ. Babes-Bolyai, nivelul master (2013)

#### Aptitudini personale

Bune aptitudini de comunicare, dobandite in perioada studiilor universitare si ale celor 2 module pedagogice/psihologice pe care le-am urmat in dorinta de a deveni un cadru universitar.