

PERSONAL INFORMATION

Dr. Imre Zsigmond



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WORK EXPERIENCE

2016 -

Teaching assistant

Babeş-Bolyai University, Cluj-Napoca

- Teach laboratory and seminar to university students in a variety of subjects
- Teaching course, seminar, and laboratory for a data structures course for post-university

2021 - 2022

Technical Lead

Ingtes, Cluj-Napoca

- Web development, back and front end. Responsibilities include technical proposals, communicating directly with the client, functional requirement gathering, development, unit testing, code review, client support, mentoring.
- Technologies and languages: ASP.NET MVC Core in C#, SQL, Entity Framework, HTML, CSS, vueJs

2016 - 2017

Senior Developer

Accesa, Cluj-Napoca

- Web development, mainly back end. Responsibilities include doing lectures, code optimization, communicating directly with the client, functional requirement gathering, development, unit testing, code review, client support, mentoring.
- Technologies and languages: ASP.NET & ASP.NET MVC in C#, SQL, Entity Framework, nUnit, HTML, CSS, jQuery

2014 - 2016

Senior Developer/Team lead

Imprezzio Global, Cluj-Napoca

- Web development on different projects, mainly back end. Responsibilities include team management, code optimization, communicating directly with the client, functional requirement gathering, development, unit testing, code review, client support, mentoring, and deployment.
- Technologies and languages: ASP.NET & ASP.NET MVC in C#, SQL, Entity Framework and nHibernate, nUnit, Telerik, HTML, CSS, jQuery

2013 - 2014

Senior Developer

3 Pillar Global, Cluj-Napoca

- I did web development on different projects back and front end. Responsibilities included code optimization, architecture solution proposal, functional requirement gathering, communicating directly with the client, grooming, development, unit testing, code review, client support, mentoring, deployment, doing a training.
- Technologies and languages: ASP.NET & ASP.NET MVC in C#, SQL, nUnit, MOQ, HTML, CSS, ExtJs, PrototypeJs, AngularJs

2011 - 2013

Web developer

ISDC, Cluj-Napoca

- The chief responsibilities were analysis and development of the client's web site using C# and asp.net. Front-end and Back-end development. Functional requirement gathering, Grooming, Development, Unit testing, Code review, Client support, API creation, Security improvement, Deployments, Mentoring, TFS management.
- Technologies used: ASP.NET in C#, WCF, HTML, JS, jQuery, CSS, SQL

2008 - 2011

Developer

YONDER, Cluj-Napoca

- I worked on several projects in this period. My chief responsibilities were analysis and development of software, Code Review, Testing and unit testing, Debugging, Progress and delay reporting, Documentation, R&D
- Technologies and languages: C#, WPF, ASP.NET, ASP.NET MVC, SQL, HTML, Javascript, CSS

EDUCATION AND TRAINING

2016 - 2022	PHD studies Babes-Bolyai, Computer Science, Cluj-Napoca
2013 - 2015	Master's degree Babes-Bolyai, Computer Science, Cluj-Napoca
2007 - 2010	Bachelor's degree Babes-Bolyai, Computer Science, Cluj-Napoca

PERSONAL SKILLS

Mother tongue(s) Hungarian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	B2	C2	C2	C1
Romanian	B2	B2	B2	B2	B1
German	B1	A2	A2	A1	A1

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

Organisational / managerial skills

Team Leader of small web development team at Imprezzio Global
Chief organizer at 3 events (HSOC&AIESEC),
Organizer at over 20 events (HSOC&AIESEC)

Computer Skills

Programming Languages: C#, C++, Python, WPF, SQL, WCF
Development Environments: Visual Studio 2005-2022
Databases: SQL Server
Web Development: ASP.NET MVC, ASP.NET, CSS, HTML, Telerik, jQuery, ExtJs, AngularJs, PrototypeJs, vueJs
Video/picture Editing: Adobe After Effects, Adobe Photoshop, Corel Draw, Gimp, Inkscape

ADDITIONAL INFORMATION

Publications

Zsigmond Imre
Automation and gamification of computer science study.
StudiaUniversitatis Babes-Bolyai Informatica, 64(2):96–105 (2019).
DOI: <https://doi.org/10.24193/subbi.2019.2.07>
<http://www.cs.ubbcluj.ro/~studia-i/journal/journal/article/view/46>

Zsigmond Imre, Zamfirescu Andrei, Pop Horia F.

Automated Evaluation and Narratives in Computer Science Education.
ENASE2020:430–437 (2020)
DOI: 10.5220/0009415704300437
<https://www.scitepress.org/PublicationsDetail.aspx?ID=ifwDH49U/CE=&t=1>
Scopus: <https://www.scopus.com/record/display.uri?eid=2-s2.0-85088393415&origin=resultslist&sort=plf-f>

Zsigmond Imre, Buhai Alexandru
Augmented Reality in Medical Education, an Empirical Study
ICCSA 2021: Computational Science and Its Applications – ICCSA 2021 pp 631-640
DOI: 10.1007/978-3-030-87016-4_45
https://link.springer.com/chapter/10.1007%2F978-3-030-87016-4_45
Scopus: <https://www.scopus.com/record/display.uri?eid=2-s2.0-85115718515&origin=resultslist&sort=plf-f>

Zsigmond Imre, Bocicor Maria-Iuliana, Molnar Arthur-Jozsef
Gamification based Learning Environment for Computer Science Students
ENASE2020:556–563 (2020)
DOI: 10.5220/0009579305560563
<https://www.scitepress.org/PublicationsDetail.aspx?ID=vTwMyUzL88k=&t=1>
Scopus: <https://www.scopus.com/record/display.uri?eid=2-s2.0-85088377053&origin=resultslist&sort=plf-f>

Zsigmond Imre
Ontology based UX Personalization for Gamified Education.
ENASE2020:415–422 (2020)
DOI: 10.5220/0009414804150422
<https://www.scitepress.org/PublicationsDetail.aspx?ID=OVvXEe3oqE4=&t=1>
Scopus: <https://www.scopus.com/record/display.uri?eid=2-s2.0-85088371962&origin=resultslist&sort=plf-f>

Zsigmond Imre, Lorincz Beáta, Molnár Andrea-Éva
Review of Digital Badges in Computer Science Literature and Applications
StudiaUniversitatis Babes-Bolyai Informatica, 65(1):17–32 (2020)
DOI: <https://doi.org/10.24193/subbi.2020.1.02>
<http://www.cs.ubbcluj.ro/~studia-i/journal/journal/article/view/48>

Daniela-Maria Cristea, Imre Zsigmond, Ioan Sima, Bogdan-Gabriel Trofin, Róbert Kovács
Neural Network adaptability from 2D to 3D Chess
2019 IEEE 13th International Symposium on Applied Computational Intelligence and Informatics (SACI), Timisoara, Romania, 2019, pp. 201-204
DOI: 10.1109/SACI46893.2019.9111577
<https://ieeexplore.ieee.org/document/9111577>
Scopus: <https://www.scopus.com/record/display.uri?eid=2-s2.0-85089141468&origin=resultslist&sort=plf-f>

Zsigmond Imre, Pop Horia F.
Linking gamification preferences to personality traits in computer science education.
2021 IEEE 17th International Conference on Intelligent Computer Communication and Processing (ICCP), 2021, pp. 259-266,
DOI: 10.1109/ICCP53602.2021.9733676
Scopus: <https://www.scopus.com/record/display.uri?eid=2-s2.0-85127374382&origin=resultslist&sort=plf-f>

Surdea-Blaga, T.; Sebestyen, G.; Czako, Z.; Hangan, A.; Dumitrascu, D.L.; Ismaiel, A.; David, L.; Zsigmond, I.; Chiarioni, G.; Savarino, E.; Leucuta, D.C.; Popa, S.L.
Automated Chicago Classification for Esophageal Motility Disorder Diagnosis Using Machine

Learning.

Sensors 2022, 22, 5227. <https://doi.org/10.3390/s22145227>

<https://www.mdpi.com/1424-8220/22/14/5227/htm>

Scopus: <https://www.scopus.com/record/display.uri?eid=2-s2.0-85135101316&origin=resultslist&sort=plf-f>

Stefan Lucian Popa, Teodora Surdea-Blaga, Dan Lucian Dumitrescu, Giuseppe Chiarioni, Edoardo Savarino, Liliana David, Abdulrahman Ismaiel, Daniel Corneliu Leucuta, Imre Zsigmond, Gheorghe Sebestyen, Anca Hangan, Zoltan Czako

Automatic Diagnosis of High-Resolution Esophageal Manometry Using Artificial Intelligence JGLD Vol 31 No 4, 383-389. <https://doi.org/10.15403/jgld-4525>

<https://www.jgld.ro/jgld/index.php/jgld/article/view/4525>

Scopus: <https://www.scopus.com/record/display.uri?eid=2-s2.0-85144114594&origin=resultslist&sort=plf-f>

Books:

Zsigmond Imre

Gamification solutions in higher education

Napoca star 2022, ISBN: 978-606-062-517-9