Personal Data

Horia Alexandru MODRAN

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PROFESSIONAL EXPERIENCE

Date (start – end)	Job / Position/function

Transilvania University of Brașov – DEC Department, IESC Faculty

01.10.2020 - Present — Șef Lucrări – Courses: Data Mining and Machine Learning, Applied Computer Science, Telecommunications Software, Telecommunications Software Project, Algorithm Design, Scripting Languages.

30.05.2021– Present

SP Global Romania

Senior Software Engineer for the Integrated Reporting (IR) project.

01.06.2018 – 30.05.2021

Arvato Systems Romania/ Software Engineer
Java Developer for the Gemmatik project.

07.01.2017 – 01.06.2018

Cerner Romania SRL/Software Engineer
C# Developer for the Soarian Document Management project.

EDUCATION AND TRAINING

Date (start – end)

PhD (2019-2023)
Field: Electronic Engineering, Telecommunications and Information Technologies (IETTI)
Doctoral thesis: Systems based on Artificial Intelligence in Advanced Signal Processing

Master (2014 – 2017)
Mobile and Internet Technologies in E-Business (in German language), Transilvania University of Brașov and Technical University of Ilmenau – Germany
- Distributed databases
- OOP – Simulation and Games
- Web Engineering
- Smart grids
- Applied statistics

Dissertation Thesis: Securing Web Applications

Bachelor (2011 – 2014)
Applied Informatics (in German language), Transilvania University of Brașov and "Carl von Ossietzky" University from Oldenburg - Germany

- Java OOP Programming, C#
- Databases
- Web technologies (HTML5, CSS3, JavaScript, ASP.NET MVC4)
- Computer networks
- Applied statistics

Bachelor thesis: Web application development using ASP.NET MVC 4, HTML5, CSS3, Javascript and SEO technologies

Personal skills

Native language
Romanian

Foreign languages

COMPREHENTION		SPEAKING		WRITING
Listening	Reading	Conversation	Oral presentation	
German				
B2	B2	B2	B1	B1
English				
C1	C1	C1	C1	C1

A1/2: basic user - B1/2: independent user - C1/2: experienced user
The Common European Framework of Reference for Foreign Languages

Communication skills
▪ Good written and oral communication skills

Organizational skills
▪ ERASMUS LLP and DAAD Scholarship in Germany
▪ "Erasmus for young entrepreneurs" Scholarship in Berlin - Germany
▪ Soft skills and social skills

Professional skills
▪ Programming languages: Java, Python, JavaScript, C
▪ Circuits and PCB Design: Proteus, Multisim
▪ Hardware platforms: PSoC6, Arduino, NI myRIO, NI ELVIS II

PC Skills
▪ Microsoft Office™ Suite
▪ Web technologies

Driver's license
Category B (since 2015)