



# Alexandru-Daniel Oprea

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## ● EDUCATION AND TRAINING

01/10/2018 – 30/06/2022 Cluj-Napoca

**BACHELOR DEGREE TECHNOLOGICAL PHYSICS** Babeş-Bolyai University Physics Faculty

15/09/2014 – 01/06/2018

**GRADUATE MATHEMATICS AND INFORMATICS** National College „Mihai Viteazul” Turda

01/10/2022 – CURRENT Cluj-Napoca, Romania

**MASTER DEGREE IN CIRCUITS AND INTEGRATED SYSTEMS** Technical University of Cluj-Napoca E.T.T.I. Faculty

## ● WORK EXPERIENCE

01/04/2023 – 06/06/2023 Cluj-Napoca, Romania

**PARTICIPANT** FIX-CLUJ

FIX CLUJ is focused on building ecosystems that will support communities in their development. This project targets groups of young people in Cluj-Napoca Municipality, encouraging them to create innovative entrepreneurial initiatives that can have a significant impact on the community. Within this project, I have successfully completed the initial stage with the project titled "LoveScience" and participated in a mentoring program where I acquired a range of entrepreneurial, economic, and social skills.

26/05/2023 – 26/05/2023 Cluj-Napoca, Romania

**PARTICIPANT** SSET

At the Students Symposium of Electronics and Telecommunications, I participated with the paper titled "Wideband RF Front-end Modeling in MATLAB".

2018 – 2021 Cluj-Napoca, Romania

**VOLUNTEER** ASFUBB-PHYSICS STUDENTS ASSOCIATION

Within the faculty association, I participated in activities such as organizing movie nights, quiz nights, team-building events, treasure hunts, and charitable actions. Through the association, I had the opportunity to participate in numerous internally or externally organized workshops, acquiring social and organizational skills.

01/04/2022 – CURRENT Cluj-Napoca, Romania

**MEMBER** ŞCOALA DE EXPERIMENTE ASSOCIATION

The "Şcoala de Experimente" Association facilitates experiments and science workshops for children. Within this association, I am responsible for planning and conducting various experiments.

01/09/2022 – CURRENT Cluj-Napoca, Romania

**RESEARCH ASSISTANT** INCDTIM

I have actively participated in various projects focused on computational fluid dynamics (CFD) simulations. Currently, I am involved in studying embedded FPGA programming at a beginner-intermediate level, as well as RF applications.

**Department** CETATEA

● **LANGUAGE SKILLS**

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Mother tongue(s): **ROMANIAN**

Other language(s):

	<b>UNDERSTANDING</b>		<b>SPEAKING</b>		<b>WRITING</b>
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	B2	C1	C1	B2	C1

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

● **DIGITAL SKILLS**

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Projecting and Simulation in SolidWorks, Ansys and LTSpice | C/C++ programming | Python, Matlab numerical modeling