

Curriculum vitae

Personal Information

Alexandru MATEI

- Sibiu (Romania)
- alex.matei@ulbsibiu.ro

Work Experience

Assistant Professor

Lucian Blaga University of Sibiu (Romania)

02/2025 - Present

Intelligent Systems Lab, 4th year CS Bachelor.
Databases Design Lab, 3rd year CS Bachelor.
Programming in Assembly Language Lab, 2nd year CS Bachelor.

Research Assistant

Lucian Blaga University of Sibiu (Romania)

Member of several research teams, responsible with developing prototypes, experiment realization, writing scientific articles and project proposals. Involved in the following projects:

01/2018 – Present

- EU DIGITAL grant, **FIT EDIH** (no. 101083915);
Jan 2023 – Present.
Junior Expert and Task Leader
- University internal grant, **Engineering perpetual learning in Digital Twin** (LBUS-HPI-ERG-2020-03);
Jan 2021 – Dec 2022.
- ERDF grant, **DiFiCIL** (no. 69/08.09.2016);
Jan 2018 – Dec 2020.

Teaching Assistant

Lucian Blaga University of Sibiu (Romania)

10/2017 – 02/2025

Intelligent Systems Lab, 4th year CS Bachelor.
Human Computer Interaction Lab, 4th year CS Bachelor.
Applied Informatics Lab, 1st year CS Bachelor

iOS Software Developer

Keep Calling, Sibiu (Romania)

10/2015 – 11/2017

Responsible with developing and maintaining *KeepCalling* and *MobileRecharge* mobile applications.

Education

10/2020 – Present	PhD Student, Computer Science and Information Technology Lucian Blaga University of Sibiu (Romania) Thesis: <i>ADVANCING DIGITAL TWIN TECHNOLOGY FOR INTELLIGENT INDUSTRIAL SYSTEMS</i> Advisor: Prof. Zamfirescu Bala-Constantin
2017 – 2019	Master, Advanced Computing Systems Lucian Blaga University of Sibiu (Romania) Thesis: <i>Dynamic Hand Gesture Recognition using Neural Networks</i>
2013 – 2017	Bachelor, Computer Science Lucian Blaga University of Sibiu (Romania) Thesis: <i>Drone control using gesture-based devices</i>
2009 – 2013	Highschool, Mathematics Informatics Gheorghe Lazar National College Sibiu (Romania)

Languages

Romanian – Native
English – B2

Extracurricular Activities

- Participated at several summer schools: SSIMA 2018, NEMO 2018 and BIGDAT 2019.
- Won 1st place at Wenglor Students Software Challenge in 2016 and 2017.
- Was a member of faculty robotics team from 2015 to 2018, responsible of programming mobile robots. Participated with the team at various robotics contests, including Eurobot.
- During high school I received honorable mentions at several regional county mathematics, informatics, and physics Olympiads.

Skill Highlights

Experience with the following programming languages:
C++, C#, Python

Scientific Activity

Contributed to several research papers: 8 journal papers and 10 conference papers.

Full list of articles can be found on my scientific profile pages:

<https://scholar.google.com/citations?user=MCtq3MgAAAAJ&hl>

<https://www.webofscience.com/wos/author/record/2329849>

<https://orcid.org/0000-0003-4299-1052>