Curriculum Vitae

PERSONAL INFORMATION

Toderaș Alina

📍 Bucharest, Romania

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Sex Female | Date of birth 24/06/1994 | Nationality Romanian

JOB APPLIED FOR

WORK EXPERIENCE

May 13, 2021- prezent	Employed with the position of Specialized Referent gr. III at the Geospatial Defense Intelligence Agency "Major General Constantin Barozzi" (https://www.geomil.ro/)
April 15 , 2019- January 04, 2021	Employed as a **geodesic engineer** at the National Institute for Aerospace Research and Development "Elie Carafoli" (http://www.incas.ro/)
May 18 - July 31, 2018	Employed as cartographer at Micro Mapper Company (https://www.micromapper.ro/)
September - November 2017	Conducting the internship in the company EGH, which involved georeferencing and digitization of plans with cadastral plans in QGIS (http://www.egh.ro/)
October 1- November 1, 2017	Employed with the position of reviewer at Babeș-Bolyai University, within the project CNFIS-FDI-2017-0047, D6: Institutional Capacity, U20, "Babes - Bolyai" University Cluj (National Observatory) for Financing Higher Education - Institutional Development Fund, Domain 6: supporting research of excellence in universities) (http://www.cnfis.ro/results-evaluare-%20fdi-2017/)
July 3-August 31, 2017	Volunteer as a database operator at the Center for University Development and Management of Quality, of the Babes-Bolyai University, Cluj-Napoca (http://cdu.centre.ubbcluj.ro/index.php)
March 9 - 31, 2015	Volunteer in the application research project, "GIS modeling of urban mobility in Cluj-Napoca "
November 2014 - June 2015	Conducting the internship as a teacher, within the project POSDRU / 161 / 2.1 / G / 137679 - GeoChoice - counseling and training of practical skills to integrate students from the field of Geography on the labor market

EDUCATION AND TRAINING

Qualification awarded: Geographer, Geomatician

October 1, 2018-present	Doctoral School

"Ferdinand I" Military Technical Academy, Doctoral School "Defense and Security Systems Engineering", Domain: Civil Engineering (https://mta.ro/scoala-doctorala). Research topic: "Extraction and analysis of GEOINT information from SAR synthesized aperture radar satellite images"

March 5-May 19, 2018	Postgraduate course "Management of critical infrastructure protection" organised by Academy of Land Forces „Nicolae Bălcescu", Faculty of Military Sciences. Certification work: ,, The security plan of S.H. Cluj Hidrolelectrica for the Tarnița dam " (https://www.armyacademy.ro/site_mpic/index.html)
October 2016- July 2018	Master

Babes-Bolyai University from Cluj-Napoca, Faculty of Geography, *Geomatics specialization* (frequency education, Romanian line). Dissertation paper: „G.I.S modeling of the spatial events distributed on the network. Case study: road accidents in Oradea"

Main software studied: Geographic Information Systems (GIS), Quantum GIS (QGIS), Global Mapper, ERDAS IMAGINE, Global Positioning Systems (GPS)

Babes-Bolyai University of Cluj-Napoca, *Psycho-pedagogical studies program of the Department for the Training of Teaching Staff, Level II.* Graduation work:
"Study on the competition for the occupation of teaching positions / chairs declared vacant / reserved in the pre-university education units. Case study: the competition topic from 2012 ''

EDUCATION AND TRAINING

October 2013- July 2016	Bachelor's degree

Babeș-Bolyai University in Cluj-Napoca, *Faculty of Geography*, Geography specialization (frequency education, Romanian line), licensed in Geography with the license work "GIS analysis of geomorphological risks in the natural protected area Suatu"

The main disciplines studied:

Basically GIS; Introduction to IT and GIS; Computer remote sensing; remote sensing and aerophoto interpretation; Computerized topography and GIS; GPS and GIS-assisted land registry; Statistical methods in GIS and Remote Sensing; GIS-assisted spatial analysis; Advanced GIS techniques; Topography - Cartography (digital); Organization of geographical space; Territorial planning

Babes-Bolyai University of Cluj-Napoca, *Psycho-pedagogical training program of the Department for the Training of Teaching Staff, Level I*

2009-2013	High school diploma

Technical College „Alexandru Roman", Theoretical field, Human profile, Philology specialization, from the town of Aleșd, Bihor county

PERSONAL SKILLS

Mother tongue(s)	Romanian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B1	B2	B2	B2	B2
Certificate of linguistic competence. B2				

English

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

Communication skills

▪ good written, oral and interpersonal communication skills, social and relational skills with other group members, rapid integration ability in the working environment and adaptation within work groups, abilities acquired through the internship practice in the GeoChoice project, during the period of November 2014 – June 2015.

Organisational/managerial skills

▪ good management skills: good organization and material structuring abilities, good planner and organizer of activities and work tasks, abilities in monitoring and achieving the proposed objectives, good determination of properties, the ability of easily finding ways or modalities of achieving the goals and of setting suitable deadlines, the capacity of making decisions in different situations acquired during the Junior Achievement Young Enterprise Romania course, during the internship practice in the GeoChoice project, as well as during the organization of the geo-spatial workshop in Cluj (31.03 – 01.04.2017).

Digital skills

▪ good knowledge of Microsoft Office™ as according to the Complete European Computer Driving Licence obtained upon the completion of the ECDL course, finalized in 27.04.2012 (Proficient user)

Other skills

▪ Resistance under pressure and stressed conditions;
▪ Attention to detail;
▪ Ability of quickly finding appropriate solutions to different issues or problematic situations;
▪ Creativity;
▪ Critical and analytical thinking, self-control and discipline;
▪ Capacity to easily assimilate new information and to learn new skills, perseverance;
▪ Seriousness and reliability;
▪ Ability to organize time effectively;
▪ Technical and detail-oriented person;
▪ Fast learner;
▪ Strong online research skills;
▪ Ability to work with deadlines and targets;

ADITIONAL INFORMATION

Online courses / trainings

October 2020
,,Synthetic Aperture Radar: Hazards'' training, organized by University of Alaska Fairbanks, presented by Professor Franz Meyer (https://www.edx.org/course/sar-hazards)

October 2020
,,Geospatial Applications for Disaster Risk Management'' course, organized by United Nations Office for Outer Space Affairs, Centre for Space Science and Technology Education for Asia and the Pacific (Affiliated to the United Nations) (https://un-spider.org/news-and-events/events/mooc-geospatial-applications-disaster-risk-management)

April 2020
,,Spatial Data Science: The New Frontier in Analytics" course, organized by ESRI (https://www.esri.com/training/catalog/5d76dcf7e9ccda09bef61294/spatial-data-science%3A-the-new-frontier-in-analytics/)

November 2018
,,Echoes in Space- Introduction to Radar Remote Sensing'' course, organized by ESA , Earth Observation College (https://eo-college.org/)

Participation in courses / trainings

October 22, 2019
Participation in the course "Innovation Management Systems - Requirements" presented by the Romanian Standardization Association, www.asro.ro

June, 2019
Participation in the training "Single Particle Soot Photometer Extended Range (SP2-XR)", provided by Droplet Measurement Technologies, LLC

November 14, 2018
Participation in the "Explore satellite time series images" workshop, held by Esri Romania, at the Faculty of Geography of the University of Bucharest

October 13, 2018
Participation in Bucharest, at the following geo-spatial.org seminars:
Introduction to satellite data processing using Earth Engine Code Editor
Accessing Cpernicus Marine Environment Monitoring Service (CMEMS) data

April 20-21, 2018
Participation in Cluj-Napoca, at the following geo-spatial.org seminars:
- Realization of unsupervised classifications with the help of QGIS-SCP and R-R STUDIO
- Interpolation of large geospatial data sets on the command line
- Creating interactive maps using QGIS 2 WEB

November 24-25, 2018
Participation in Timisoara, at the following geo-spatial.org seminars:
- Raster data processing using GDAL
- Creating infographics using Qgis and Inkscape
- Introduction, analysis and processing of spatial data using gvSIG

November 7-21, 2017
"Introduction to Photoshp" course, organized by Technical Training Association "TEACH ING"

October 21, 2017
Participation in Bucharest, at the following geo-spatial.org seminars:
- Extract spatial information from satellite images using supervised classifications
- PostGIS- GEOintroduction in databases

March 31-April 1, 2017
Participation in Cluj, at the following geo-spatial.org seminars:
- Sentinel 2 images from acquisition to results and cartographic representations
- The transposition of data models in QGIS
- Introduction to QGIS server

2012
Complete ECDL Certificate

2011
Participation in the *Junior Achievement Young Enterprise Romania* course, which is part of the "Company" program, initiated by the Romanian-American Foundation

Conferences

The 15th International Conference on Virtual Learning, October 31, 2020, University of Bucharest, Faculty of Matematics and Computers Science (http://www.c3.icvl.eu/2020/papers2020)

International Conference Education, Refelction, Development, 8th Etition, June 27, 2020 (http://educationalsciences.net/). Presentation of the scientific paper: Visual Imagery In Natural Sciences Activities

United Nations/Romania International Conference on Space Solutions for Sustainable Agriculture and Precision Farming , Cluj-Napoca, Cluj, Romania, 06-10 May 2019, with the poster ,, *INCAS Capabilities in Remote Sensing with Application in Agriculture and Land-Use Planning''* *(*https://www.unoosa.org/oosa/en/ourwork/activities/un-romania.html)

Conferences

International Conference Education, Refelction, Development, 6th Etition, 6th July 2018, organized by the Educational Science Department and the Doctoral School, Education, Refelction and Development, Faculty of Psychology and Educational Science, Babaeş-Bolyai Univesity in Cluj Napoca, Romania

National Conference "Gorge Vâlsan" '- Geography4Students @ Cluj, organized by the Faculty of Geography, Babeş-Bolyai University, Cluj-Napoca, with the scientific work "*Spatial-temporal evolution of the main geographical elements of the Baia Mare depression"* (May 12,.2017)

International Conference *"Contemporary Trends in Teaching and Learning Geography",* 5-6 November 2016, Cluj-Napoca

Publications

ISI indexed Proceedings

Drăghici, F., Dulamă, M., E., Ilovan, O.-R., Opriş, D., **Toderaş, A.**. (2020), *Visual Imagery In Natural Sciences Activities,* The European Proceedings of Social and Behavioural Sciences EpSBS, Volume 104 (31.03.2021), Pages 248-258, Published by European Publisher, DOI: DOI: 10.15405/epsbs.2021.03.02.27

Vereş, S., Magdaş, I., Dulamă, M., E., Ilovan, O.-R., **Toderaş, A**. (2020), *The Use of Animation Film in Studying Some Natural Phenomena and Forming Representations***,** Proceedings of the 15th International Conference On Virtual Learning, Pag. 94- 100, Editura Universtăţii din Bucureşti

Sorin Alin Koszinski, Maria Eliza Dulamă, Oana-Ramona Ilovan, Ioana Scridon, **Alina Toderaş**, Anca Roxana Popa (2019), *Regional Geography And Graphic Organisers. Geography-Specific And Didactic Competences In University,* The European Proceedings of Social & Behavioural Sciences EpSBS, Volume LXIII (25 June 2019), Pages 389-397, Published by the Future Academy, DOI: https://doi.org/10.15405/epsbs.2019.06.48

Oana-Ramona Ilovan, Maria Eliza Dulamă, Dănuţ Andron, Petruţa-Mădălina Bălan, Dan-Ovidiu Muntean, **Alina Toderaş**, Mihaela Ciocan (2019), *Developing Students' Competence To Analyse Landscapes During Geography University Studies,* The European Proceedings of Social & Behavioural Sciences EpSBS, Volume LXIII (25 June 2019), Pages 398-408, Published by the Future Academy, DOI: https://doi.org/10.15405/epsbs.2019.06.49

BDI indexed scientific papers

Toderaş, A. (2020). *Using G.I.S. Products for Analysing the Potential of Practising Sustainable Tourism and Developing Zece Hotare Village*. Territorial Identity and Development, 5(1), 68-98. DOI: http://doi.org/10.23740/TID120204

Scientific papers published in extenso in the volumes of international scientific conferences, not indexed by ISI or BDI

Toderaş, Alina (2017), *Analysis of the geographical landscape. Case study: Şuncuiuş Commune*, Current Trends in Teaching and Learning Geography, Vol.16, pp. 136-149. Cluj-Napoca: University Press Cluj. ISSN 2247-7500

Projects

Member within the projects carried out by INCAS

PN 19 01 08 01, Contract: 8N / 2019, Space and airborne technologies in major disaster and crisis management

RAMOS - Technical Assistance for a Romanian Atmospheric Mobile Observation System, ctr ESA 4000118115/16NL/gp

Affiliations

Member of the Territorial Identities and Development Research Center (January 2021 - present)

Date,
22.10.2021

Signature,
Alina Toderaş