



Gabriel Badea

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Address: _____

● WORK EXPERIENCE

01/10/2024 – CURRENT Craiova, Romania
LECTURER UNIVERSITY OF CRAIOVA

Didactic activity:

- E-Commerce
- Multimedia Technologies in E-Learning
- Web Applications Development
- Human-Computer Interaction

Other activities:

- Tutoring
- Leading students' practice activity

01/03/2019 – 30/09/2024 Craiova, Romania
ASSISTANT TEACHER UNIVERSITY OF CRAIOVA

Didactic activity:

- E-Commerce
- Multimedia Technologies in E-Learning
- Web Applications Development
- Human-Computer Interaction

Other activities:

- Tutoring
- Leading students' practice activity

01/10/2018 – 28/02/2019 Craiova, Romania
ASSOCIATE TEACHER UNIVERSITY OF CRAIOVA

- E-Commerce
- Multimedia Technologies in E-Learning

16/08/2018 – 30/11/2021 Craiova, Romania
SOFTWARE DEVELOPER ROWEB

- Object-Oriented Programming
- Web Applications Development
- Software Engineering
- Architectural Design

18/11/2013 – 08/02/2018 Craiova, Romania
SOFTWARE DEVELOPER IT SIX GLOBAL SERVICES

- Object-Oriented Programming
- Web Applications Development
- Software Engineering
- Architectural Design

27/06/2015 – 18/07/2015 Vienna, Austria
INTERNSHIP VOICE BUSINESS GMBH

- Graph Databases

- NoSQL
- RESTful API, OrientDB
- Java

15/07/2013 – 30/09/2013 Craiova, Romania

INTERNSHIP IT SIX GLOBAL SERVICES

- Object-Oriented Programming
- Software Engineering
- Software Architectures
- .NET Framework

EDUCATION AND TRAINING

01/10/2018 – 31/03/2023 Craiova, Romania

PHD IN COMPUTERS AND INFORMATION TECHNOLOGY University of Craiova

Main research topics:

- Peer Assessment
- E-Learning
- Scientific Research Methodology
- Ethics and Academic Integrity

01/06/2019 – 08/06/2019 Bari, Italy

GRADUATED EATEL SUMMER SCHOOL ON TECHNOLOGY ENHANCED LEARNING 2019

- Thematic Workshops on the latest trends and key concepts of Technology Enhanced Learning (TEL)
- Methodology Workshops
- Informal learning sessions

10/02/2018 – 12/06/2018 Roma, Italy

ERASMUS+ MOBILITY Sapienza University of Rome

Enhancement of a dedicated plugin for peer assessment in a LMS platform as part of dissertation thesis.

01/10/2016 – 01/07/2018 Craiova, Romania

MASTER IN INFORMATION SYSTEMS FOR E-BUSINESS Faculty of Automation, Computers and Electronics

Final Exam Grade: 10

Mean grade of the years of study: 10

Main topics:

- Web Systems Engineering
- Security and Risk Management in E-Business
- Data Mining
- Data Warehouses
- Social Interaction and Collaborative Systems
- Digital Marketing

01/10/2012 – 01/07/2016 Craiova, Romania

ENGINEER IN COMPUTERS Faculty of Automation, Computers and Electronics

Computers in English programme graduate.

Final Exam Grade: 10

Mean grade of the years of study: 9.20

Main topics:

- Object-Oriented Programming
- Visual Programming Environments (Java)
- Computer Graphics
- Assembly Languages
- Data Structures and Algorithms
- Microcontrollers
- Databases
- Computer Architectures

- Programming Techniques

15/10/2008 – 01/06/2012 Craiova, Romania

HIGH SCHOOL DIPLOMA National College Carol I

High School Graduation Exam Grade: 9.33

Main topics:

- Informatics
- Mathematics
- Physics

17/10/2009 – 10/07/2010 Craiova, Romania

GRADUATED CRAIOVA GAMING CENTER Ubisoft

Main topics:

- C++
- Object-Oriented Programming

At the end of the project the participants were required to develop a game in C++ programming language.

● **LANGUAGE SKILLS**

Mother tongue(s): **ROMANA**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
FRENCH	B1	B1	B1	B1	B1
ITALIAN	A2	A2	A2	A2	A2
SPANISH	A2	A2	A1	A2	A1

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

● **ORGANISATIONAL SKILLS**

Organizational Skills

Easily accommodating to any type of situation; developing plans for projects; reaching goals; accomplishing tasks on time; prioritizing tasks; taking the initiative.

● **COMMUNICATION AND INTERPERSONAL SKILLS**

Communication and interpersonal skills

Counseling people; encouraging people; clear statement of ideas; good listener; teamwork skills.

● **SKILLS ACQUIRED IN THE WORKPLACE**

Skills acquired in the workplace

Architectural design; software application development; algorithms; data structures; professional behavior; teamwork; commitment to quality; initiative; good listener; adaptability; collaboration of ideas; prioritizing tasks; taking the initiative; user requirements analysis; analytical thinking; critical thinking; special attention to detail.

● **PUBLICATIONS**

Papers published in journals

Elvira Popescu, **Gabriel Badea**, *Exploring a Community of Inquiry Supported by a Social Media-Based Learning Environment*, Journal of Educational Technology & Society, ISSN: 1436-4522, vol. 23 (2), pp. 61-76, 2020.

Gabriel Badea, Elvira Popescu, *LearnEval Peer Assessment Platform: Iterative Development Process and Evaluation*, IEEE Transactions on Learning Technologies, ISSN: 1939-1382, vol. 15 (3), pp. 421-433, 2022. DOI: <https://doi.org/10.1109/TLT.2022.3185423>

Gabriel Badea, Elvira Popescu, *A dynamic review allocation approach for peer assessment in technology enhanced learning*, Education and Information Technologies, ISSN: 1360-2357, vol. 27 (9), pp. 13131-13162, 2022. DOI: <https://doi.org/10.1007/s10639-022-11175-5>

Papers published in conference proceedings

Gabriel Badea, Elvira Popescu, *CollAnnotator - A Support Tool for Content Analysis According to Community of Inquiry Framework*, Proceedings ICALT 2017, IEEE, ISBN: 978-1-5386-3870-5, pp. 212-214, 2017.

Elvira Popescu, **Gabriel Badea**, *Using CollAnnotator to Analyze a Community of Inquiry Supported by Educational Blogs - Preliminary Results*, Proceedings ECTEL 2017, Lecture Notes in Computer Science, Vol. 10474, Springer, ISBN: 978-3-319-66609-9, pp. 580-583, 2017.

Gabriel Badea, Elvira Popescu, Andrea Sterbini, Marco Temperini, *A Service-Oriented Architecture for Student Modeling in Peer Assessment Environments*, Proceedings SETE 2018, Lecture Notes in Computer Science, vol. 11284, Springer, pp. 1-6, 2018

Gabriel Badea, Elvira Popescu, Andrea Sterbini, Marco Temperini, *Integrating Enhanced Peer Assessment Features in Moodle Learning Management System*, Foundations and Trends in Smart Learning, Lecture Notes in Educational Technology, Springer, ISBN: 978-981-13-6907-0, pp. 135-144, 2019.

Gabriel Badea, Elvira Popescu, *A Web-Based Platform for Peer Assessment in Technology Enhanced Learning: Student Module Prototype*, Proceedings ICALT 2019, ISBN: 978-1-7281-3485-7, pp. 372-374, 2019.

Gabriel Badea, Elvira Popescu, Andrea Sterbini, Marco Temperini, *Exploring the Peer Assessment Process Supported by the Enhanced Moodle Workshop in a Computer Programming Course*, Methodologies and Intelligent Systems for Technology Enhanced Learning, 9th International Conference, Workshops, Advances in Intelligent Systems and Computing, vol. 1008, Springer, ISBN: 978-3-030-23883-4, pp. 124-131, 2019.

Gabriel Badea, Elvira Popescu, *Instructor Support Module in a Web-Based Peer Assessment Platform*, Proceedings ICSTCC 2019, ISBN: 978-1-7281-0699-1, IEEE, pp. 691-696 (2019).

Gabriel Badea, Elvira Popescu, *Using LearnEval Peer Assessment Platform in Project-Based Learning Settings: A First Experience Report*, Proceedings ITHET 2019, ISBN: 978-1-7281-2464-3, IEEE (2019).

Gabriel Badea, Elvira Popescu, *Supporting Students by Integrating an Open Learner Model in a Peer Assessment Platform*, Proceedings ITS 2020, Lecture Notes in Computer Science, vol. 12149, Springer, ISBN: 978-3-030-49662-3, pp. 105-114, 2020.

Gabriel Badea, Elvira Popescu, *Using Peer Assessment in conjunction with Project-Based Learning: A Comparative Study*, Proceedings ICALT 2020, IEEE, ISBN: 978-1-7281-6090-0, pp. 376-380, 2020.

Gabriel Badea, Elvira Popescu, *Analyzing the Validity of the Peer Assessment Process in a Project Based Learning Scenario: Preliminary Results*, Proceedings ICSTCC 2020, ISBN: 978-1-7281-9810-1, IEEE, pp. 831-836 (2020).

Gabriel Badea, Elvira Popescu, *A Hybrid Approach for Mitigating Learners' Rogue Review Behavior in Peer Assessment*. In: Crossley, S., Popescu, E. (eds) Intelligent Tutoring Systems, ITS 2022, Lecture Notes in Computer Science, Bucharest, Romania, ISBN: 978-3-031-09680-8, vol. 13284, pp. 24-35. Springer. DOI: https://doi.org/10.1007/978-3-031-09680-8_3

Papers published in conference proceedings

Gabriel Badea, Elvira Popescu, *Investigating Students' Experience with Peer Assessment in Two Computer Science Courses - A Longitudinal Study*, ICSTCC 2023, Timisoara, Romania (in press)

● PARTICIPATION IN SCIENTIFIC EVENTS

Participation in scientific events

Presentation of paper at the conference ITS 2022 (18th International Conference on New Challenges for ITS During and After COVID), 29 iun-1 iul 2022, Bucuresti, Romania

Presentation of the work at the Conferinta Stiintifica a Doctoranzilor si Postdoctoranzilor, 1st edition, 30-31 oct 2021, Craiova, Romania (online)

Invited Talk - Elvira Popescu, Gabriel Badea, *Peer Assessment in Technology-Enhanced Learning*, LMU Munich Institute of Computer Science, Teaching and Research Unit Programming and Modelling Languages, 28 May 2020, Munchen, Germany

Presentation of paper at the conference ICSTCC 2020 (24th International Conference on System Theory, Control and Computing), 8-10 Oct. 2020, Sinaia, Romania (online)

Presentation of paper at the conference ICALT 2020 (20th IEEE International Conference on Advanced Learning Technologies), 6-9 Jul. 2020, Tartu, Estonia (online)

Presentation of paper at the conference ITS 2020 (16th International Conference on Intelligent Tutoring Systems), 8-12 Jun. 2020, Athens, Greece (online)

Presentation of paper at the conference ICSTCC 2019 (23rd International Conference on System Theory, Control and Computing), 9-11 Oct. 2019, Sinaia, Romania

Presentation of paper at the conference ITHET 2019 (18th International Conference on Information Technology Based Higher Education and Training), 26-27 Sep. 2019, Magdeburg, Germany

Presentation of poster *LearnEval: A web-based system for peer assessment in technology-enhanced learning* at EATEL Summer School on Technology Enhanced Learning, 1-8 Jun. 2019, Bari, Italy

Organizer in the programming contest for high schools ProCon - Constantin Belea, edition 2019

Presentation of paper at the conference ICALT 2017 (17th IEEE International Conference on Advanced Learning Technologies), 3-7 Jul. 2017, Timisoara, Romania

Member in evaluation committees

Member in the evaluation committee of the Olympiad "Olimpiada de inovare si creatie digitala - InfoEducatie", county stage, 27 May 2023, Craiova, Romania

● RESEARCH PROJECTS

Research projects

Research Student in project "Platforma pentru invatare colaborativa bazata pe instrumente social media: aspecte de analiza a datelor" (01/10/2016 - 01/09/2017)

University of Craiova, Craiova (Romania)

Project Code: PN-II-RU-TE-2014-4-2604

Project Number: 20 / 01.10.2015

Period: October 2015 - September 2017

Project Director: Conf. dr. ing. Elvira Popescu

Funded by: CNCS - UEFISCDI

Development of a platform for the analysis of student contributions according to the Community of Inquiry model.

● AWARDS

Awards

Distinguished Paper Award - Using LearnEval Peer Assessment Platform in Project-Based Learning Settings: A First Experience Report

IEETeL 2019, The 10th International Workshop on Interactive Environments & Emerging Technologies for eLearning, September 27th 2019, Magdeburg (Germany)

Finalist in the international contest Smart Learning Ecosystems and Regional Development 2019 (22/05/2019 - 24/05/2019)

Quasar Design University, Roma (Italy)

First place at National Symposium "Zilele Tehnicii Studentesti" (07/05/2017 - 12/05/2017)

University of Craiova, Craiova (Romania)

First place at Bitdefender Hackathon, Web Development section (20/02/2016 - 21/02/2016)

Bitdefender, Craiova (Romania)

Honorable Mention at International Programming Contest ACM ICPC 2015 (17/10/2015)

Politehnica University of Bucharest, Bucharest (Romania)

Qualified in the International Programming Contest ACM ICPC 2015, South-Eastern Europe phase.

Honorable Mention at International Programming Contest ACM ICPC 2014 (18/10/2014)

Politehnica University of Bucharest, Bucharest (Romania)

Qualified in the International Programming Contest ACM ICPC 2014, South-Eastern Europe phase.

Honorable Mention at International Programming Contest ACM ICPC 2013 (12/10/2013)

Politehnica University of Bucharest, Bucharest (Romania)

Qualified in the International Programming Contest ACM ICPC 2013, South-Eastern Europe phase.

10th place in the National Phase of the International Programming Contest ACM ICPC 2014 (17/05/2014)

Faculty of Informatics, Bucharest (Romania)

Mention NetRom Code Golf 2014 (09/04/2014 - 15/05/2014)

NetRom, Craiova (Romania)

Mention NetRom Code Golf 2013 (15/05/2013 - 14/06/2013)

NetRom, Craiova (Romania)

Participant in the National Olympiad in Computer Science for Students 2016 (23/09/2016 - 25/09/2016)

University "Babes-Bolyai", Cluj-Napoca (Romania)

Participant in the National Olympiad in Computer Science for Students 2015 (23/05/2015 - 24/05/2015)

University "Alexandru Ioan Cuza", Iasi (Romania)

Participant in the National Olympiad in Computer Science for Students 2014 (18/05/2014)

Faculty of Informatics, Bucharest (Romania)

Participant in the National Symposium with international participation "Educatie ecologica - intre traditie si modernitate" (11/05/2011)

National College "Carol I", Craiova (Romania)

Presentation of paper "Cauza si Efect".

Participant in the Mechatronics and Robotics Contest "MEROB 2011" (29/11/2011)

Faculty of Automation, Computers and Electronics, Craiova (Romania)

● SCHOLARSHIPS

Scholarships

Entrepreneurial doctoral scholarship within the project POCU/380/6/13/123990

Entrepreneurial University - higher education and training system for the Romanian labor market by awarding scholarships for doctoral students and post-doctoral researchers and implementing innovative entrepreneurial training programs

Scholarship EATEL Summer School on Technology Enhanced Learning 2019

European Association of Technology Enhanced Learning – EATEL

Doctoral Scholarship QforIT (2018 - 2019)

Faculty of Automation, Computers and Electronics, Craiova (Romania)

Performance Scholarship QforIT (2016 - 2017, 2017 - 2018)

Faculty of Automation, Computers and Electronics, Craiova (Romania)

Merit scholarship for bachelor's and master's degrees (2012 - 2013, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018)

Faculty of Automation, Computers and Electronics, Craiova (Romania)

Mobility Exchange Erasmus+ at Sapienza University, Roma (Italy) (Feb. - Jun. 2018)

● DEVELOPMENT PROJECTS

Development projects

Accounting Web Platform developed in .NET Core 2 & Angular 2

Description: The platform provides full support for various accounting-related services, such as invoice and receipt generation, document design based on templates, or automatic integration of taxes.

Technologies: Microsoft .NET Core 2.0, Angular 2, API Controllers, Entity Framework Core, Microsoft SQL Server, SourceTree, BitBucket, JIRA.

Web Platform developed in .NET Framework & Flex

Modules

Map: A GIS module, based on Google Maps (both JavaScript and ActionScript 3 API), with various features such as:

- Layer management
- Panning, zooming and custom layer legend information display
- Multiple layer and tiles configuration providers

Reporting: A configurable reporting space that aggregates network data in an interactive way

Management: An interface available only for the users with administrator role that allows user, permission, and role management

Saving and restoring workspaces: The user is able to save the selections, filters and current maps and restore them in another workspace

Technologies: ASP.Net Framework 3.5, 4.0; WCF / SOAP Web Services, ASP.NET Web API, Microsoft Enterprise Library, log4net libraries, Jenkins, SQL Server, Flex SDK 3.6, jQuery / Kendo UI, Bing Maps, Google Maps

Web Platform developed in ASP.NET Framework

Services integration

Utility and scheduled jobs

Technologies: Microsoft .NET 4.5.1, C#, ASP.NET MVC 4/ASP.NET MVC 5

Web Platform developed in ASP.NET WebForms

The platform was used for making reservations on holidays and hotels.

Many of the tasks were related to developing automated tests.

Technologies: Selenium (C#), Gauge (test automation framework), JavaScript, C#.

Desktop Application developed in .NET Framework

Technologies: Microsoft .NET 4.5.1, C#, API Controllers, Entity Framework, ADO.NET, SQL SERVER 2012, Ninject, Unity, AutoMapper, NUnit, Json, BitBucket, SourceTree, JIRA, LINQ, IIS.

Web Platform developed in ASP.NET Web API Framework

Development of a project specialized in offering cloud services.

Technologies: Microsoft .NET 4.5.1, C#, Web API, Entity Framework, ADO.NET, SQL SERVER, Ninject, Unity, AutoMapper, NUnit, Json, BitBucket, SourceTree, LINQ, IIS

Desktop Application developed in .NET Framework

Development of a data-intensive project.

Technologies: Microsoft .NET 4, C#, ADO.NET, SQL SERVER, XML, GitExtensions

Enhancement of a plugin for peer assessment integrated in a LMS platform

The plugin was enhanced by the integration of student modeling features and by providing data visualization techniques for both the teacher and the student.

Technologies: PHP, XML, JSON, Web Services, SourceTree

Developed projects

C# (2012 – now):

Peer assessment platform

Peer assessment represents the process where students review the solutions delivered by their peers and provide feedback and suggestions. The system integrates the following features:

Authentication and authorization mechanism

Student enrollment to the courses

Solution delivery mechanism

Assessment of solutions

Grade assignment mechanism

Back-review

Statistics and scores

Technologies: C#, .Net 4.5, ASP.NET MVC 5, EntityFramework 6, ASP.NET Identity 2.0, HTML5, CSS3, JavaScript, jQuery, Sql Server, Bootstrap, Knockout Js, Ajax, Highcharts, Log4Net, IIS Server.

Online Auctions System

Tehnologies: C#, .Net 4.5, ASP.NET MVC 5

Travel Agency Management System

Tehnologii: C#, .Net 3.5

Shopping cart software (2015)

Online Shop

● **VOLUNTEERING ACTIVITY**

Volunteering activity

Project Volunteer Erasmus+

YouthPass "ReAct to discrimination" (02/04/2022 - 09/04/2022)

Associazione Culturale di Promozione Sociale Gentle Giant, Montone (Italy)

The main objective was to combat discrimination through theatre.

Learning Mobility Erasmus+ Project Participant

YouthPass Mobility of Youth Workers "Direction Intercultural Facilitation" (06/01/2022 - 13/01/2022)

Fundacja Młodzi dla Europy, Murzasichle (Poland)

The main objective of the course was to improve skills in the field of Human Rights Education.

Project Volunteer Erasmus+

YouthPass "Young Environmentalists in Action" (20/10/2021 - 28/10/2021)

Association "ASD PALERMO", Italy

The participants were from 6 countries: Estonia, Germany, Italy, Great Britain, Romania and Turkey.

The main topic was the environment.

Project Volunteer Erasmus+

YouthPass Seminar "Creating Employment Opportunities Through Digital Competence" (16/08/2021 - 24/08/2021)

Education 21st Century Foundation, Sofia (Bulgaria)

The participants were from 5 countries: Azerbaijan, Bulgaria, Greece, Romania and Ukraine.

The main objective of the seminar was to improve digital skills.

Project Volunteer Erasmus+

YouthPass "Unlocking the potential of folk crafts" (29/06/2021 - 05/07/2021)

Association "Youth Contract for Europe 2012", Bulgaria

The participants were from 4 countries: Bulgaria, Greece, North Macedonia and Romania.

The main topic was "Traditional crafts".

Project Volunteer Erasmus+

YouthPass "European Solidarity" (17/05/2021 - 25/05/2021)

SDRUZHENIE ALTERNATIVI INTERNATIONAL, Razlog (Bulgaria)

The participants were from 6 countries: Bulgaria, Italy, Latvia, Poland, Romania and Spain.

The main topic was "The principles and values of the European Union".

Project Volunteer Erasmus+

YouthPass "The Environmental and Cultural Optimism (ECO) project" (21/08/2017 - 28/08/2017)

Foundation for Entrepreneurship, Culture and Education Malyovitsa (Bulgaria)

The participants were from 5 countries: Italy, Macedonia, Bulgaria, Serbia and Romania. The main topic was the environment.

Project Volunteer Erasmus+

YouthPass "Street Art-Not Vandalism" (05/03/2017 - 12/03/2017)

Together Macedonia, Bitola (former Yugoslav Republic of Macedonia)

The participants were 6 countries: Spain, Poland, Greece, Slovakia, Macedonia and Romania.
The main activities were: teamwork, debates, presentations, reflections and group meetings.

Project Volunteer Erasmus+

YouthPass "Discover the European Values" (14/08/2016 - 21/08/2016)

SZÍN-BÁB Egyesület, Debrecen (Hungary)

The participants were from 4 countries: Hungary, Poland, Ukraine and Romania.
The main topics addressed were the environment, education through sports and puppet theater.

Volunteer in the campaign "SA NU-I UITAM PE CEI MAI TRISTI CA NOI" (16/11/2011)

National College "Carol I", Craiova (Romania)

Participation in activities to help children with disabilities, the elderly and the fight against social marginalization.

Volunteerig activity

Learning Mobility Erasmus+ Project Participant

"Train the trainers for building social entrepreneurial skills of adults" (18/08/2023 - 27/08/2023)

Varna Economic Development Agency, Varna (Bulgaria)

The main objective of the course was to improve skills in the field of entrepreneurship.