![europass logo] Curriculum vitae

| PERSONAL INFORMATION | **Annamária Szenkovits** |
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## WORK EXPERIENCE

**10/2016–Present**  **Teaching Assistant**
Babeș-Bolyai University; Faculty of Mathematics and Computer Science, Cluj-Napoca (Romania)

**01/10/2012–30/04/2013**  **Research Intern**
Communication Networks Laboratory (founded by Ericsson Research and Eötvös Loránd University Faculty of Sciences)
Pázmány Péter sétány 1/A, H-1117 Budapest (Hungary)
http://cnl.elte.hu/

Development of an intelligent labeling module for an online clustering tool of web documents (technologies used: Java, Linux Shell); Contribution to a scientific paper based on the topic.

**01/07/2010–15/10/2010**  **Erasmus Intern**
Nokia Siemens Networks Kft
Köztelek u. 9., H-1092 Budapest (Hungary)

Software architecture and development in the R&D team: development of a virtual machine monitoring system (technologies used: Java, Perl, Google Web Toolkit, Hibernate, Linux Shell, PostgreSQL)

**01/07/2009–30/09/2009**  **Intern Student**
Grepton Informatics PLC
Kondorfa Street 10, 1116 Budapest (Hungary)

Software testing and optimization

## EDUCATION AND TRAINING

**01/10/2013–Present**  **PhD**
Babeș-Bolyai University; Faculty of Mathematics and Computer Science, Cluj-Napoca (Romania)
Topic of the thesis: Model based testing of reactive systems with intelligent approaches

**10/09/2012–06/2013**  **Hungarian State Scholarship, Balassi Institute**
Eötvös Loránd University, Budapest (Hungary)

Data Mining, Artificial Intelligence, Machine Learning, Natural Language Processing, Digital Image Processing, Geographic Information Systems

**01/10/2011–31/08/2012**  **Erasmus Scholarship**
Julius Maximilian University, Würzburg (Germany)

Management in Software Engineering, Data Mining, Artificial Intelligence, Information Retrieval, Bioinformatics, Robotics

**2011–2013**  **MSc**
Babeș-Bolyai University; Faculty of Mathematics and Computer Science, Cluj-Napoca (Romania)

Optimization of Computational Models

### 2008–2011   BSc
Babeş-Bolyai University; Faculty of Mathematics and Computer Science, Cluj-Napoca (Romania)

### 2008–2011   BSc
Babeş-Bolyai University; Faculty of Psychology and Educational Sciences, Cluj-Napoca (Romania)

Pedagogy module: Introduction to Psychology, Introduction to Pedagogy, Pedagogy of Informatics.

### 2004–2008   General Certificate of Education
Báthory István Theoretical High school, Cluj-Napoca (Romania)

Computer Science, Mathematics, German

## PERSONAL SKILLS

**Mother tongue(s)**   Hungarian

**Other language(s)**

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---|---|---|---|---|---|
| | Listening | Reading | Spoken interaction | Spoken production | |
| Romanian | C2 | C2 | B2 | B2 | B2 |
| German | C1 | C1 | B2 | B2 | B2 |
| | Deutsches Sprachdiplom der Kultusministerkonferenz (Niveaustufe C1) Deutsche Sprachprüfung für den Hochschulzugang (DSH) - 3 | | | | |
| English | C1 | C1 | B2 | B2 | B2 |
| | European Certificate of Language Ability in English (ALPHA Centre, "Babes-Bolyai University"), level C1 | | | | |
| French | B1 | B1 | A2 | A2 | A2 |
| Arabic | A1 | A1 | A1 | A1 | A1 |

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

## ADDITIONAL INFORMATION

**Research Projects**   01 October 2013 - present: **Model-based testing of train protection systems** (founded by Siemens international Railway Automation Graduate School); Research topics: model-based testing, safety-critical systems, train protection systems, environment-model based testing; Technologies used: SCADE, Lustre, Lutin;

01 October 2012 - 30 April 2013: **Communication Networks Laboratory** (founded by Ericsson Research and Eötvös Loránd University Faculty of Sciences); Research topics: **Document Clustering, Cluster Labeling**; Technologies used: Java, Linux Shell;

15 September 2012 - 15 December 2012: **Project Laboratory of the Eötvös Loránd University** (Budapest), Department of Information Systems; Research topics: **Forum Mining, Sentiment Analysis**; Technologies used: Java, RapidMiner;

11 February 2013 - 15 May 2013: **Project Laboratory of the Eötvös Loránd University** (Budapest), Department of Information Systems; Research topic: **Event Detection in Social Media Data (Twitter)**; Technologies used: Java, Hibernate, MySQL, Python;

01 October 2009 - 31 December 2009: **Research Scholarship of Gyula Farkas Association for Mathematics and Informatics**; Research topic: **Optical Character Recognition**; Technologies used: MATLAB;

**Talks and conference participations**

**18th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing SYNASC 2016, Timisoara, Romania, 24-27 September; presentation title: Optimizing test input generation for reactive systems with an adaptive Differential Evolution;**

**11th Joint Conference on Mathematics and Computer Science, Eger, Hungary, 20-22 May; presentation title:** Automated Environment-Model Based Testing with Intelligent Methods in an Industrial Setting;

**19th European Conference on the Applications of Evolutionary Computation, Porto, Portugal, 30 March - 1 April 2016; presentation title: Environment-Model Based Testing with Differential Evolution in an Industrial Setting;**

**international Railway Automation Graduate School (iRAGS) - network meeting; July 7-8, 2015, SIEMENS, Braunschweig, Germany presentation title:** Differential evolution for environment model-based testing of reactive systems**;**

**Knowledge Engineering Principles and Technologies Workshop;** Babes-Bolyai University, Cluj-Napoca July 2, 2015; presentation title: ENVIRONMENT MODEL-BASED TESTING OF REACTIVE SYSTEMS: A CASE STUDY ON A SCADE MODEL.

**The Sixth International Conference on Advances in System Testing and Validation Lifecycle** - VALID 2014; October 12 - 16, 2014 - Nice, France; presentation title: **A Novel Approach for Environment Model Based Functional Testing of Reactive Systems**;

**10th Joint Conference on Mathematics and Computer Science (MaCS);** Cluj-Napoca, May 21–25, 2014; presentation title: **Model-based Testing for Reactive Systems. IntelligentApproaches**;

**international Railway Automation Graduate School (iRAGS) - kick-off meeting;** May 27 - 28, 2014 - SIEMENS, Braunschweig, Germany; presentation title: **Model-based Testing for Reactive Systems. IntelligentApproaches;**

**Ljubljana LUSYLaboratory for Ubiquitious SYstems**, University of Ljubljana, Faculty of Computer and Information Science; May 2014; presentation title: **Model-based Testing for Reactive Systems. Research Plan;**

**XXXI. National Scientific Students' Associations Conference (OTDK)**, Section of Information Science and Technology, 2013, Budapest - visiting student;

**XIV. Transylvanian Scientific Students' Associations Conference (ETDK)**, Section of Information Science and Technology, 2011, Cluj-Napoca - 3rd prize;

**ELTE Summer School**, Section of Information Science and Technology, 2011, Budapest - visiting student;

**XI. Eötvös Conference**, Section of Information Science and Technology, 2010, Budapest; participation with an **Optical Character Recognition** research project.

**Publications**

**Annamária Szenkovits, Noémi Gaskó, Erwan Jahier: Environment-Model Based Testing with Differential Evolution in an Industrial Setting - Applications of Evolutionary Computation: 19th European Conference, EvoApplications 2016, Porto, Portugal, March 30 -- April 1, 2016, Proceedings, Part I**

**Annamária Szenkovits: Environment Model-Based Testing of Reactive Systems: A Case Study on a SCADE Model** - Studia Universitatis Babes-Bolyai Series Informatica, Volume LX, Number 2 (December 2015)

**Annamária Szenkovits, Hunor Jakab: A Novel Approach for Environment Model Based Functional Testing of Reactive Systems** - Proceedings of VALID 2014 : The Sixth International Conference on Advances in System Testing and Validation Lifecycle

**Mobilitites**

8 - 12 December: Verimag Research Center, Grenoble, France (http://www-verimag.imag.fr/);

28 April - 21 May: University of LjubljanaFaculty of Computer and Information Science, LUSY - Laboratory for Ubiquitous SYstems; CEEPUS mobility;

Hungarian State Scholarship, Balassi Institute