Iulia Pașov

Curriculum Vitae

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Experience

April 2013–Present   **R&D Software Engineer**, Eau de Web, Bucharest, Romania.
Projects:
• **Eurean Environmental Agency (EEA) Website Services**
Responsibilities:
-build a new Advanced Search tool for the EEA website (http://www.eea.europa.eu), synchronized with a SPARQL endpoint, to support queries on linked data
-develop a river plugin for ElasticSearch to harvest data from the EEA endpoint
Keywords: Semantic Web, Linked Data, RDF, SPARQL, Virtuoso, ElasticSearch, Open Data, Big Data, JAVA, Jena
• **State of the Environment Reporting Information System (SERIS)**
Responsibilities: develop a semantically relevant mapping to convert the SERIS database (PostgreSQL) to RDF using relevant W3C recommended namespaces
Keywords: Semantic Web, RDF, PostgreSQL, Python
• **Digital Agenda Scoreboard**
Responsibilities: configure the Elda semantic web browser for the data
Keywords: Semantic Web, RDF, SPARQL, Open Data, Virtuoso, Java EE

Oct 2008–Sept2013   **Associate Teaching Assistant**, POLITEHNICA University of Bucharest, Bucharest, Romania.
Courses: Algorithm Analysis (2008-2009, 2010-2013), Algorithm Design (2008-2009, 2010-2011, 2012-2013), Algorithm Design and Complexity (2012-2013), Computer Programming (2012-2013), Programming Paradigms (2010-2011)
Responsibilities:
- teach seminars
- evaluate students
- propose homework and exercises for exams

Jul 2012–Sept 2012   **Summer Student**, CERN, Geneva, Switzerland.
Keywords: JavaScript, C++, ROOT, Graphics.
Purpose: - offer a portable way to monitor or inspect ROOT files on mobile devices.
Responsibilities:
- adapt a JavaScript library to ROOT's specification needs for 1D, 2D and 3D.
- attend Particle Physics lectures, seminars and demonstrations.

Jul 2011–Sep 2011   **Intern**, Semsoft, Rennes, France.
Keywords: Complex Data Reconciliation, Java, Knowledge Representation, Natural Language Processing, Normalization, RDFS, OWL, SPARQL.
Responsibilities:
- desig a representation for SPARQL queries (disjunctive form).
- desig algorithms to normalize existing SPARQL queries.
- create a reconciliation module for multiple databases (RDFS+) and algorithms for text, numbers and complex data reconciliation.

Education

2011–2012	**Master 2 Recherche - Extraction des Connaissances à partir des Données**, *Université Lumière (Lyon II)*, Lyon, France.
	Thesis:**Machine Learning Techniques for Classifying Forum Messages**
2010–2013	**Master of Science in Artificial Intelligence**, *POLITEHNICA University of Bucharest*, Bucharest, Romania.
	Thesis:**An Operational Model of Emotions for 2APL Agents**
2006–2010	**Bachelor in Computer Science**, *POLITEHNICA University of Bucharest*, Bucharest, Romania.
	Thesis:**A Rule-based System for Evaluating Students' Participation to a Forum**

Publications

2011	**I. Pașov, Șt. Trăușan-Matu, and T. Rebedea**, *A rule-based system for evaluating students' participation to a forum*, First International K-Teams Workshop on Semantic and Collaborative Technologies for the Web, Bucharest, Romania.
2011	**I. Pașov, Șt. Trăușan-Matu, and T. Rebedea**, *A System for the Evaluation of the Participation of a Student to a Discussion Forum*, Journal of Human-Computer Interaction, Bucharest, Romania.

Skills

Languages.

Proficient	Java, C++, RDF, XML
Prior experience	C, C#, PYTHON, JavaScript, Prolog, Scheme, R

Databases.

Proficient	Virtuoso
Prior experience	MySQL

Tools.

Proficient	Git, Elasticsearch
Prior Experience	Subversion, Virtualenv, Jenkins, Weka, Elasticsearch, Jena, RDFLib, Elda, JQuery, Django, Zope

Languages

Romanian	**Native proficiency**	
English	**Bilingual proficiency**	*Cambridge CAE Certificate*
French	**Limited working proficiency**	

Interests

- Artificial Intelligence
- Algorithms
- Affective Computing
- Machine Learning
- Game Theory
- Semantic Web
- Data Analysis
- Information Retrieval
- Natural Language Processing and Understanding

Updated

February 23rd, 2014