

PERSONAL INFORMATION



Bogdan-Andrei Boteanu

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Sex Male | Date of birth 11/01/1988 | Nationality Romanian

WORK EXPERIENCE

2011–Present

Computer programmer

Governmental communications company, Bucharest, Romania

Web developer

Database administrator

C Programmer

13/05/2013–27/05/2013

Intern

UTI Grup, Bucharest, Romania (leading Romanian company in video surveillance and security)

3 weeks scholarship funded under European Structural Funds POS-DRU project ID81488. Developing video processing solutions for the automatic identification of missing objects in scenes recorded by surveillance cameras. Overall appreciation 9.6/10.

EDUCATION AND TRAINING

01/10/2014–Present

PhD student

University "Politehnica" of Bucharest,
Faculty of Electronics, Telecommunications and Information Technology
313 Splaiul Independenței, Bucharest (Romania)
<http://www.upb.ro/>

Machine learning techniques for information retrieval systems

28/07/2014–09/08/2014

Student, Summer School on Security and Privacy in Digital Life

EIT ICT Labs, Trento, Italy.

University of Trento and Trento RISE.

Development of managerial and entrepreneurial skills. Developing a business idea that solves the problems of privacy and security in e-commerce transactions.

2012–2014

**Master's degree in "Advanced Techniques of Digital Imaging"
(overall appreciation 9.77/10)**

University "Politehnica" of Bucharest,
Faculty of Electronics, Telecommunications and Information Technology
313 Splaiul Independenței, Bucharest (Romania)
<http://www.upb.ro/>

Principal subjects covered:

- The human visual system;
- Image and video standard formats;
- Image and video processing and analysis;
- Computational intelligence and pattern recognition;

- Visual content indexing;
- Image processing tools;
- Human-machine interaction;
- Image and video forensics.

**2007–2011 Officer engineer's degree in electronics – Valedictorian
(overall appreciation 9.57/10)**

Military Technical Academy,
Faculty of Electronic and Military Informatic Systems,
field of study: Electronics and telecommunications, specialization: Communications
39-49 George Coşbuc Street, 050141 Bucharest (Romania)
<http://www.mta.ro/>

Graduation project developed jointly with Laboratoire IREENA research lab, Polytech'Nantes, Nantes-France.

Principal subjects covered:

- English and French languages;
- Physical training;
- Algebra, differential and analytic geometry;
- Mathematical analysis, Special Mathematics, Statistics;
- Physics, Mechanics and theory of mechanisms;
- Information theory and coding, Communication and information security;
- Networks and communications protocols, Optical and broadband communications systems;
- Fundamentals of electrical engineering, Power electronics;
- Electronic devices and circuits, Microprocessor and microcontroller architectures;
- Digital and Analogue signal processing;
- Radio communications techniques, Radio waves propagation and antennas for communication systems, Mobile radio communications;
- Television, Computer graphics;
- Microeconomics, General Management, Logistics basics, Accountancy.

**03/2011–05/2011 Intern, Erasmus mobility scholarship
(overall appreciation 17/20)**

Ecole Polytechnique de l'Université de Nantes, Nantes, France.

Graduation project for officer engineer's degree was developed jointly with team CNSE, IREENA research lab.

Principals subjects covered:

- Image Processing;
- Chaos based Steganography;
- Steganalysis.

**04/2010–06/2010 Intern, Erasmus mobility scholarship
(overall appreciation 16/20)**

Ecole Polytechnique de l'Université de Nantes, Nantes, France.

The graduation project for officer engineer's degree was developed jointly with team CNSE, IREENA research lab.

Principals subjects covered:

- Image Processing;

- Chaos based Steganography;
- Steganalysis.

02/04/2008–04/04/2008 **Participant, 20th NATO Summit**

Bucharest, Romania.

Liaison officer for the French Delegation, responsible for hosting, logistics and security issues. Received the acknowledgment of the Romanian Government for the valuable contribution.

12/11/2007–30/11/2007 **Intern, military stage**

Ecole Spéciale Militaire de Saint-Cyr, Saint-Cyr, France.

Experience exchange between the Romanian Military Technical Academy and Ecole Spéciale Militaire de Saint-Cyr. Candidates selection based on students' overall appreciation, combined with a French language test and a physical test. Qualified among the only 20 students selected for the stage.

Principal subjects and skills covered:

- academic training (courses);
- inside and outside military training;
- physical training;
- recreational activities.

05/2007 **Programming certificate**

National College "I.C. Brătianu", Pitești, Romania.

2003–2007 **Baccalaureate degree
(overall appreciation 9.27/10)**

National College "I.C. Brătianu"
14 Armand Călinescu Street, 110047 Pitești (Romania)
<http://www.colegiulbratianu.ro/>

Principal subjects covered:

- Mathematics, Informatics, Physics;
- English, French.

2011–2016 **Scientific publications**

[1] **Boteanu, B.**, Ghile, V., Șerbănescu, A. Impedance Adaptation Circuit. In proceedings of CERC Students' International Conference. Military Technical Academy, Bucharest, Romania, 4 June, 2009;

[2] **Boteanu, B.**, Rîncu, I. Steganography using JPEG Images. In proceedings of CERC 2011 Students' International Conference. Military Technical Academy, Bucharest, Romania, 9 June, 2011 (winner of the 3rd place);

[3] Radu, A.-L., **Boteanu, B.**, Pleș, O., Ionescu, B. LAPI @ Retrieving Diverse Social Images Task 2013: Qualitative Photo Retrieval using Multimedia Content. In Working Notes Proceedings of the MediaEval 2013 Workshop, CEUR-WS.org, ISSN 1613-0073. ACM Multimedia, Barcelona, Spain, 18-19 October, 2013;

[4] **Boteanu, B.**, Mironică, I., Ionescu, B. A Relevance Feedback Perspective to Image Search Result Diversification. In Proceedings of ICCP International Conference on Intelligent Computer Communication and Processing – ICCP 2014. Cluj-Napoca, Romania, September 4-6, 2014;

[5] **Boteanu, B.**, Mironică, I., Radu, A.-L., Ionescu, B. LAPI @ 2014 Retrieving Diverse Social Images Task: A Relevance Feedback Diversification Perspective. In Working Notes Proceedings of the MediaEval 2014 Workshop, CEUR-WS.org, ISSN 1613-0073. Barcelona, Catalunya, Spain, October 16-17, 2014;

[6] Ionescu, B., Popescu, A., Lupu, M., Gînscă, A.L., **Boteanu, B.**, Müller, H. Div150Cred: A Social Image Retrieval Result Diversification with User Tagging Credibility Dataset. In proceedings of ACM

Multimedia Systems - MMSys2015. Portland, Oregon, USA, March 18-20, 2015;

[7] **Boteanu, B.**, Mironică, I., Ionescu, B. Hierarchical Clustering Pseudo-Relevance Feedback for Social Image Search Result Diversification. In proceedings of 13th International Workshop on Content-Based Multimedia Indexing – CBMI 2015. Prague, Czech Republic, June 10-12, 2015;

[8] **Boteanu, B.**, Mironică, I., Ionescu, B. Diversification with Fisher Kernel Pseudo-Feedback. In proceedings of IEEE International Symposium on Signals, Circuits & Systems – ISSCS 2015. Iași, Romania, July 9-10, 2015;

[9] **Boteanu, B.**, Mironică, I., Ionescu, B. LAPI @ 2015 Retrieving Diverse Social Images Task: A Pseudo-Relevance Feedback Diversification Perspective. In Working Notes Proceedings of the MediaEval 2015 Workshop, CEUR-WS.org., ISSN 1613-0073. Wurzen, Germany, September 14-15, 2015;

[10] Ionescu, B., Gînscă, A.L., **Boteanu, B.**, Popescu, A., Lupu, M., Müller, H. Retrieving Diverse Social Images at MediaEval 2015: Challenge, Dataset and Evaluation. In Working Notes Proceedings of the MediaEval 2015 Workshop, CEUR-WS.org., ISSN 1613-0073. Wurzen, Germany, September 14-15, 2015;

[11] **Boteanu, B.**, Mironică, I., Ionescu, B., Pseudo-Relevance Feedback Diversification of Social Image Retrieval Results. Multimedia Tools and Applications – MTAP 2016 (Impact Factor 1.331),

[12] Ionescu, B., Gînscă, A.L., **Boteanu, B.**, Popescu, A., Lupu, M., Müller, H. Div150Multi: A Social Image Retrieval Result Diversification Dataset with Multi-topic Queries. In ACM Multimedia Systems – MMSys 2016. Klagenfurt, Austria, May 10-13, 2016,

[13] Sarafianos, N., **Boteanu, B.**, Ionescu, B., Kakadiaris, I. 3D Human Pose Estimation: A Review of the Literature and Analysis of Covariates. Computer Vision and Image Understanding - CVIU 2016 (Impact Factor 2.134),

[14] **Boteanu, B.**, Constantin, M.G., Ionescu, B. LAPI @ 2016 Retrieving Diverse Social Images Task: A Pseudo-Relevance Feedback Diversification Perspective. In Working Notes Proceedings of the MediaEval 2016 Workshop, CEUR-WS.org., ISSN 1613-0073. Hilversum, The Netherlands, October 20-21, 2016,

[15] Ionescu, B., Gînscă, A.L., Zaharieva, M, **Boteanu, B.**, Lupu, M., Müller, H. Retrieving Diverse Social Images at MediaEval 2016: Challenge, Dataset and Evaluation. In Working Notes Proceedings of the MediaEval 2016 Workshop, CEUR-WS.org., ISSN 1613-0073. Hilversum, The Netherlands, October 20-21, 2016,

[16] Constantin, M.G., **Boteanu, B.**, Ionescu, B. LAPI at MediaEval 2016 Predicting Media Interestingness Task. In Working Notes Proceedings of the MediaEval 2016 Workshop, CEUR-WS.org., ISSN 1613-0073. Hilversum, The Netherlands, October 20-21, 2016.

2014–2017 **Other activities**

- Member of the organizing committee of the International Workshop “MediaEval Benchmarking Initiative for Multimedia Evaluation”, Barcelona, Spain, Oct. 2014;
- Leading LAPI's team at the Retrieving Diverse Social Images Task, “MediaEval Benchmarking Initiative for Multimedia Evaluation”, Barcelona, Spain, Oct. 2014;
- Member of the organizing committee of the International Workshop “MediaEval Benchmarking Initiative for Multimedia Evaluation”, Wurzen, Germany, Sep. 2015;
- Leading LAPI's team at the Retrieving Diverse Social Images Task, “MediaEval Benchmarking Initiative for Multimedia Evaluation”, Wurzen, Germany, Sep. 2015;
- Local Organizing Chair for the 14th IEEE/ACM International Workshop on Content-Based Multimedia Indexing – CBMI 2016, Bucharest, Romania, Jun. 2016;
- Member of the organizing committee of the International Workshop “MediaEval Benchmarking Initiative for Multimedia Evaluation”, Hilversum, Netherlands, Oct. 2016;
- Leading LAPI's team at the Retrieving Diverse Social Images Task, “MediaEval Benchmarking Initiative for Multimedia Evaluation”, Hilversum, The Netherlands, Oct. 2016;
- Website Chair for the ACM International Conference on Multimedia Retrieval – ICMR 2017, Bucharest, Romania, Jun. 2017.

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
French	B2	B2	B2	B1	B2
English	C1	C1	C1	C1	C1

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

Skills Good communication skills (English, French) gained during my several stages conducted abroad.
 Good organisational skills gained as member in the organizing committee for the International Workshop of MediaEval Benchmarking Initiative for Multimedia Evaluation in 2014, 2015 and 2016.

Computer skills

- good command of Office suite (Microsoft Word, Excell);
- good command of Web development: PHP, Javascript, MySQL, CSS, HTML;
- good command of C;
- good command of Matlab;
- basic knowledge in Android, Oracle.