Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	***Bădulescu, Laviniu-Aurelian***
E-mail	*laviniu_aurelian_badulescu@yahoo.com*

Work experience

Dates	2000 - present
Occupation or position held	Computer science teacher
Name and address of employer	National College „Elena Cuza", Mihai Viteazu st., no. 12, 200417, Craiova, Romania
Type of business or sector	Secondary-school education
Dates	1996-2000
Occupation or position held	Computer science teacher
Name and address of employer	Grupul Şcolar "C.D. Neniţescu", Paşcani st., no. 9, 200150, Craiova, Romania
Type of business or sector	Secondary-school education
Dates	1992 – 1996
Occupation or position held	Computer science teacher
Name and address of employer	Grupul Şcolar Industrial Construcţii de Maşini, Slatina, Olt, Romania
Type of business or sector	Secondary-school education
Dates	1989 – 1992
Occupation or position held	System Engineer
Name and address of employer	Centrul Teritorial de Calcul Electronic, Slatina, Olt, Romania
Type of business or sector	IT

Education and training

Dates	2004 – present
Title of qualification awarded	Ph.D.s. in Computer Science
Principal subjects/occupational skills covered	Data Structures and Algorithms Theory, Databases, Processing programming language, Knowledge Discovery from Databases
Name and type of organisation providing education and training	University of Craiova, Faculty of Automation, Computers and Electronics
Dates	nov.-dec. 2009
Title of qualification awarded	Graduation Certificate
Principal subjects/occupational skills covered	Microsoft SQL Server, Databases
Name and type of organisation providing education and training	Ministerul Educaţiei, Cercetării, Tineretului şi Sportului Microsoft Romania
Dates	oct. 2003 – jun. 2005
Title of qualification awarded	Software Engineering Master studies
Principal subjects/occupational skills covered	Multimedia Databases, Web Applications' Design, Formal methods in software design, Image processing, Advanced topics of web design, Distributed and Mobile Databases, Software metrics and Quality engineering, Complex graphics systems, Knowledge-based systems

Name and type of organisation providing education and training	University of Craiova, Faculty of Automation, Computers and Electronics
Level in national or international classification	ISCED 6
Dates	oct. 2007 – jun. 2009
Title of qualification awarded	Human Resources Management and Development Master studies
Principal subjects/occupational skills covered	Fundamentals of human resource management, Human capital development in enterprises, Decisional simulation, Strategies and politics of remuneration, Managerial communication, Motivation management, Job and competencies management, Sociology and psychology of work, Social audit, Project management.
Name and type of organisation providing education and training	University of Craiova, Faculty of Economy and Business Administration
Level in national or international classification	ISCED 6
Dates	oct. 2007- mar. 2009
Title of qualification awarded	Postgraduate specialization
Principal subjects/occupational skills covered	Transdisciplinarity, Patristic gnoseology and scientific epistemology, Philosofy of science, Theology, nature and science, Artificial intelligence, languages and orthodox theology, Scientific theories about Universe.
Name and type of organisation providing education and training	University of Craiova and Institute for Advanced Studies in Science and Orthodoxy
Dates	1984 – 1989
Title of qualification awarded	Engineer Diploma, Automation and Computers specialisation
Principal subjects/occupational skills covered	Computer programming, Digital computer, System theory, Electronic devices and circuits, English language, Technique of impulses and commutation circuits, Informational systems and economic analysis.
Name and type of organisation providing education and training	University of Craiova, Faculty of Automation, Computers and Electronics
Level in national or international classification	ISCED 5
Dates	2000 – 2003
Title of qualification awarded	First degree
Principal subjects/occupational skills covered	Computer Science, Pedagogy, Speciality Didactics
Name and type of organisation providing education and training	University of Craiova
Dates	19.04-25.05.2007
Title of qualification awarded	Graduation Certificate
Principal subjects/occupational skills covered	Trainer for adult training
Name and type of organisation providing education and training	Ministerul Muncii, Solidarităţii Sociale şi Familiei; Ministerul Educaţiei, Cercetării şi Tineretului; Grupul Şcolar Industrial „Electroputere", Craiova
Dates	2006-2007
Title of qualification awarded	Certified trainer for the „IT initiation. AEL system utilization" course
Principal subjects/occupational skills covered	Microsoft Office package and AEL system
Name and type of organisation providing education and training	Centrul Naţional de Formare a Personalului din Învăţământul Preuniversitar and SIVECO România S.A. by Casa Corpului Didactic Dolj
Dates	2005-2006
Title of qualification awarded	Certificate of training of teachers – AEL utilization

Principal subjects/occupational skills covered	AEL system utilization
Name and type of organisation providing education and training	Centrul Naţional de Formare a Personalului din Învăţământul Preuniversitar and SIVECO România S.A. by Casa Corpului Didactic Dolj
Dates	2006-2007
Title of qualification awarded	Training for future - Euroteacher I, First Module
Principal subjects/occupational skills covered	Computer Science Speciality and Speciality Didactics
Name and type of organisation providing education and training	C.N.F.P. by Casa Corpului Didactic Dolj,
Dates	2006-2007
Title of qualification awarded	Certificate of graduated, November 1st 2007
Principal subjects/occupational skills covered	Jean Monnet European Module *Negociation,Partnership and Diplomacy in the EU Integration Process*
Name and type of organisation providing education and training	University of Craiova in the framework of the European Commission *Jean Monnet Programme*.
Dates	2006-2007
Title of qualification awarded	Certificate of graduated, November 1st 2007
Principal subjects/occupational skills covered	Jean Monnet European Module *Romania towards European Integration*
Name and type of organisation providing education and training	University of Craiova in the framework of the European Commission *Jean Monnet Programme*.
Dates	2006
Title of qualification awarded	Certificate of graduation: „ Guidance and orientation"
Principal subjects/occupational skills covered	Didactics
Name and type of organisation providing education and training	Ministerul Educaţiei şi Cercetării, Inspectoratul Şcolar Judeţean Dolj, Casa Corpului Didactic – Dolj
Dates	2005
Title of qualification awarded	Certificate of language proficiency, French
Principal subjects/occupational skills covered	French Language
Name and type of organisation providing education and training	University of Craiova, Faculty of Letters
Level in national or international classification	B2 level in Common European Framework of Reference for Languages
Dates	2004
Title of qualification awarded	Certificate of language proficiency, English
Principal subjects/occupational skills covered	English Language
Name and type of organisation providing education and training	University of Craiova, Faculty of Letters
Level in national or international classification	B2 level in Common European Framework of Reference for Languages
Dates	2004
Title of qualification awarded	Attestation de stage
Principal subjects/occupational skills covered	French Language

	Name and type of organisation providing education and training	Ambassade de France en Roumanie, Service de Cooperation et d'Action Culturelle
	Dates	1996 – 1997
	Title of qualification awarded	Certificate of language proficiency, Modern Greek
	Principal subjects/occupational skills covered	Modern Greek Language
	Name and type of organisation providing education and training	Aristotle University of Thessaloniki, School Of Modern Greek Language, Greece

Personal skills and competences

Mother tongue **Romanian**

Other language(s)

Self-assessment

European level

	Understanding				Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production			
Limba Engleză	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
Limba Franceză	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
Limba Neogreacă	B1	Independent user	B1	Independent user	B1	Utilizator independent	A2	Basic user	A2	Basic user

(*) Common European Framework of Reference for Languages

Annexes Books and papers published and communicated.

BOOKS PUBLISHED

1. *Iniţiere în Corel DRAW*, Ed. Arves, Craiova, 2003, ISBN 973-85773-9-x.
2. *Colegiul Naţional „Elena Cuza" din Craiova, prima şcoală de grad mediu pentru fete din Principatele Române – de la începuturi până la 1864*, Ed. Policrom, Craiova, 2003, ISBN 973-85419-7-2.
3. *Colegiul Naţional „Elena Cuza" din Craiova, prima şcoală de grad mediu pentru fete din Principatele Române – de la 1864 până la 1918*, Ed. Policrom, Craiova, 2003, ISBN 973-85419-8-0.
4. *Examenul Carantaniei, eseuri teologice, pedagogice şi interdisciplinare*, Ed. Sitech, Craiova, 2003, ISBN 973-657-451-2.
5. *Pentru Dumnezeu şi neam, 290 de ani de la Martiriul Sfinţilor Brâncoveni*, Cuvânt înainte de Acad. Constantin Bălăceanu-Stolnici, Ed. Agora, Craiova, 2004, ISBN 973-8046-40-8.
6. *Utilizarea tehnologiei informaţiei şi comunicaţiilor în predarea modernă*, ISBN 978-973-8382-68-8, Ed. Info, Craiova, 2009.
7. *Arbori de decizie,* ISBN 978-606-11-00-15-6, Ed. Sitech, Craiova, 2010. (single author)
8. *Criterii de divizare şi metode de reducere a arborilor de decizie,* ISBN 978-606-11-00-14-9, Ed. Sitech, Craiova, 2010.(single author)
9. *Sub semnul modernităţii în didactica Informaticii*, ISBN 978-606-8100-07-4, Ed. Info, Craiova, 2010.

PAPERS PUBLISHED AND COMMUNICATED

1. *Explorarea bazelor de date folosind arbori de decizie,* in *Revista de Informatică Softnews*, no. 3, mar. 2010, ISSN 2066-8295, pp. 12-15, 2010.
2. *Arborele – esenţa vieţii şi a ştiinţelor,* Intercounty Symposium *„Un mediu curat - esenţa supravieţuirii şi progresului"*, ISJ Constanţa, apr. 2010.
3. *Using Decision Tree to Build Predictive Models in Adult Education*, international seminar, in volume „European Learning Objects, Methodological Guide in Adult Education - Grundtvig Learning Partenership", ISBN 978-973-8382-98-5, Ed. Info 2010, pp. 20.
4. *Arborii de decizie – o soluţie modernă pentru cercetarea în astronomie*, in „Celebration of cosmos and life", national symposium dedicated to International Year of Astronomy, University of Craiova, Ed. Universitaria, Craiova, 2009, ISBN 978-606-510-615-4.
5. *Optimizing Performances in Knowledge Discovery Using Decision Trees Algorithms***,** 2009, No. 3 (20), Georgian Electronic Scientific Journals, Computer Sciences and Telecommunications, Georgia.
6. *Decision Trees Algorithms and Knowledge Discovery,* in „Interferenţe tehnico-ştiinţifice", No. 4/2009, published under the auspices of the UNESCO and "High Voltages Engineering, Environment & Life" scientific association, ISSN 1842-1636, Ed. Sitech, Craiova, 2009.
7. *Clasificări cu arbori de decizie în ecologie,* in *Eco ştiinţe*, no. 1/2009, ISSN 2066-4265, Ed. Arves, Craiova, 2009.

8. *Evaluarea performanţelor pe baza modelului arborelui de decizie,* in *Deceniul tehnologiei avansate în educaţie,* ISSN 2065-87-37, An I, no. 1, 23 apr., Bucureşti, 2009.

9. *Utilizarea arborilor de decizie în cercetarea educaţională,* in *Education et reussite, Echanges et methodes innovatrices dans le domaine de l'education,* ISBN 978-973-671-195-4, Ed. Reprograph, Craiova, 2009.

10. *The choice of the best attribute selection measure in Decision Tree induction,* in „Annals of University of Craiova, Mathematics and Computer Science Series", vol. 34 (1), ISSN 123-6934, 2007, pp. 88-93.

11. *Decision Trees vs. Decision Rules in Knowledge Discovery Process,* in „Interferenţe tehnico-ştiinţifice", No. 3/2008, published under the auspices of the UNESCO and "High Voltages Engineering, Environment & Life" scientific association, Ed. Sitech, Craiova, ISSN 184-1636, 2008, pp. 7-10.

12. *Arborele – o perspectivă interdisciplinară,* in „Omul prieten al naturii?", Ed. Arves, Craiova, ISBN 978-606-518-036-9, 2008, pp. 20-22.

13. *Arborele TV şi aplicabilitatea lui în biologie,* National Conference of Biology, 4th ed., Timişoara, 23-25 nov. 2007, in *"Genesis" magazine* No. 14, ISBN 973-7878-18-3, pp. 61-63, Ed. Waldpress Timişoara, 2007.

14. *Decision Trees – A New Paradigm in the Educational Research,* 6th International Conference RoEduNet, in Proceedings of the 6th International Conference RoEduNet Craiova, Romania, 23-24.11.2007, University of Craiova, Ed. Sitech, ISBN 978-973-746-581-8.

15. *Measures for Attribute Selection in Decision Tree Induction,* International Conference of Fundamental Sciences - Mathematics and Computer Science, University of Oradea, Faculty of Sciences, Băile Felix, 9-10th nov. 2007, in Proceedings of International Conference on Fundamental Sciences, ICFS 2007 Applied Mathematics and Computer Science Section, November 9-10, 2007, Băile-Felix, Oradea, Romania, Ed. Universităţii din Oradea, ISBN 978-973-759-367-2, pp. 76-81.

16. *Attribute Selection Measure In Decision Tree Growing,* SINTES 13, International Symposium on System Theory, University of Craiova, Faculty of Automation, Computers & Electronics, 13th Edition, Craiova, oct. 18-20, 2007, in SINTES 13 Proceedings, vol. 2, Computer Science and Engineering Electronics and Instrumentation, Ed. Universitaria Craiova, ISBN 978-973-742-839-4, 978-973-742-841-7, pp. 1-6.

17. *Classification Error Rates In Decision Tree Execution,* SINTES 13, International Symposium on System Theory, University of Craiova, Faculty of Automation, Computers & Electronics, 13th Edition, Craiova, oct. 18-20, 2007, in SINTES 13 Proceedings, vol. 2, Computer Science and Engineering Electronics and Instrumentation, Ed. Universitaria Craiova, ISBN 978-973-742-839-4, 978-973-742-841-7, pp. 7-12.

18. *De la genetică la algoritmii genetici,* in „"Genesis" magazine", No. 12-13/2007, Ed. Arves, Craiova, ISBN 978-973-8904-59-0, pp. 65-67.

19. *Arborii de decizie, o soluţie pentru mondializarea economică,* County Symposium „Mondializarea şi consecinţele asupra lumii contemporane", 14.06.2007, Craiova.

20. *Knowledge Discovery with Decision Rules derived from Decision Trees,* annual session of scientific papers "IMT Oradea - 2007", Oradea, Felix Spa, May 31st–june 1st, 2007, in Annals of the Oradea University, fascicle of management and Technological Engineering, Publishing House of Oradea University, pp. 2311-2317, vol. VI (XVI), 2007, ISSN 1583 – 0691, CNCSIS accreditation "Clasa B+", 2007.

21. *Data Mining Decision Trees in Economy,* International Conference of Scientific Communications, "Integrarea Europeană - noi provocări pentru România" 3rd Ed., organized under the patronage modules European Jean Monnet / 25 - 26 May 2007, in Annals of the Oradea University, tom XVI, Vol. I, Statistics and Economic Informatics, 2007, ISSN–1582–5450, pp. 723-727, CNCSIS accreditation "Clasa B+".

22. *Performanţe ale unor algoritmi cu arbori de decizie,* in „Interferenţe tehnico-ştiinţifice", no. 2/2007, Ed. Sitech, Craiova, ISSN 1841-8813, published under the auspices of the UNESCO and "High Voltages Engineering, Environment & Life" scientific association, pp. 44-46.

23. *Text Mining, o perspectivă de abordare a operei eminesciene,* Intercounty Symposium "Eminescu - mit şi simbol", Craiova, 14.01.2007.

24. *Data Mining Algorithms Based On Decision Trees,* annual session of scientific papers "IMT Oradea - 2006", Oradea, Felix Spa, may 18th - 19th, 2006, in Annals of the Oradea University. Fascicle of Management and Technological Engineering, periodical publication issued by Publishing House of Oradea University, CNCSIS accreditation "Clasa B", pg. 276,1621-1628, vol. V (XV), 2006, ISSN 1583 – 0691.

25. *Data Mining Decision Trees Algorithms Optimization,* in „Annals of the University of Craiova, Series Automation, Computers, Electronics and Mechatronics", vol. 4 (31), no. 3, 2007, Ed. Universitaria, Craiova, pp. 3-8.

26. *Arborii de decizie o provocare pentru clasificarea şi luarea deciziilor în economie,* International Conference of Scientific Communications, "Integrarea Europeană - noi provocări pentru România" 2nd Ed., organized under the patronage modules European Jean Monnet / 26–28.05.2006; in Annals of the Oradea University, tom XV, 2006, ISSN – 1582 – 5450, pp. 1165-1168, CNCSIS "Clasa C".

27. *Analiza statistică a datelor economice prin algoritmi data mining de arbori de decizie,* International Conference of Scientific Communications, "Integrarea Europeană - noi provocări pentru România" 2nd Ed., organized under the patronage modules European Jean Monnet / 26–28.05.2006; in Annals of the Oradea University, tom XV, 2006, ISSN – 1582 – 5450, pp. 1169-1171, CNCSIS "Clasa C".

28. *Optimizarea performanţelor la executarea arborilor de decizie,* in „Tendinţe în dezvoltarea aplicaţiilor ciberneticii", 24-25 nov. 2006, Cybernetics Academy „Ştefan Odobleja", Ed. Universităţii din Oradea, ISSN-1582-6791, 2006.

29. *Data mining, reţele neuronale şi învăţarea supervizată,* National Symposium "Informatica şi educaţia elevilor", C.N. „Elena Cuza", University of Craiova – Faculty of Mathematics and Computer Science, I.Ş.J. Dolj, C.C.D. Dolj, Craiova, 12-13.05.2006.

30. *Managementul bazelor de date spaţiale utilizând arbori R,* National Symposium "Informatica şi educaţia elevilor", C.N. „Elena Cuza", University of Craiova – Faculty of Mathematics and Computer Science, I.Ş.J. Dolj, C.C.D. Dolj, Craiova, 12-13.05.2006.

31. *Structurile de date intr-o abordare interdisciplinară,* National Symposium "Informatica şi educaţia elevilor", C.N. „Elena Cuza", University of Craiova – Faculty of Mathematics and Computer Science, I.Ş.J. Dolj, C.C.D. Dolj, Craiova, 12-13.05.2006.

32. *Indexarea bazelor de date multidimensionale folosind arbori R,* Communications Session, Ministerul Educaţiei şi Cercetării, Asociaţia Română de Resurse Educaţionale, Craiova, 25.03.2006.

33. *Arborele de decizie model predictiv in Data Mining,* in „Electrotehnica, Electronica, Automatica", vol. 53, no. 4, oct.-dec. 2005, Ed. Electra, ISSN 1582-5175, pp. 31-34, Bucureşti, 2005.

34. *Data mining şi reţelele neuronale în colectarea, înregistrarea, prelucrarea şi reprezentarea datelor,* Communications session, National Math on Computer Contest «Mister Pi», Asociaţia Română de Resurse Educaţionale, Craiova, 14-15.03.2005.

35. *Arborii între ştiinţă şi teologie*, National Symposium "Ştiinţa şi teologia – componente complementare ale educaţiei", University of Craiova, Centrul pentru Dialog între ştiinţe şi teologie, 11.04.2006.
36. *Bitul un concept interdisciplinar cu model divin*, National Symposium „Ştiinţa şi teologia – componente complementare ale educaţii", University of Craiova, Centrul pentru Dialog între ştiinţe şi teologie, 11.04.2006
37. *Indexarea bazelor de date spaţiale, folosind arbori R,* National Symposium „Zborul – visul de aur al omenirii", Ministerul Educaţiei şi Cercetării, Comisia Naţională a României pentru UNESCO, ISJ Dolj, CCD Dolj, Grupul Şcolar „Traian Vuia", Craiova, 18.03.2006.
38. *Lista – un concept interdisciplinar cu model divin,* National Symposium "Ştiinţa şi Teologia – componente complementare ale educaţiei", University of Craiova, Şc. 34, «Eugeniu Carada», Craiova, 22.01.2005, in "Buletinul Centrului pentru dialog între Ştiinţe şi Teologie", University of Craiova, ISBN 973-742-171-X, 2005.
39. *Arborele sau polimorfiile interdisciplinare ale unei paradigme divine*, in "Buletinul Centrului pentru dialog între Ştiinţe şi Teologie", University of Craiova, ISBN 973-742-171-X, 2005.
40. *Arborele, un concept interdisciplinar cu model divin***,** round table conference „Ştiinţa şi Teologia. Componente complementare ale educaţiei", University of Craiova, Centrul de Dialog între Ştiinţe şi Teologie, Craiova, 23.04.2004.
41. *Interdisciplinaritate prin concepte esenţiale: Lista*, in „Tribuna Învăţământului", no. 751, June 2004.
42. *Interdisciplinaritate prin concepte esenţiale: Arbori*, in „Tribuna Învăţământului", no. 698, June 2003.
43. *Istoria dispozitivelor mecanice de calcul*, in „Gazeta de Informatică: GInfo", ISSN 1222-7129, vol. 12, no. 3, March 2002.
44. *Pledoarie pentru Java*, in „Gazeta de Informatică: GInfo", ISSN 1222-7129, vol. 14, no. 1, January 2004.
45. *Arborele de la început la sfârşit,* "Cyber" magazine, no. 1/2005, ISSN 1841-3870, Craiova, 2005.
46. *Alan Turing*, "Cyber" magazine, no. 1/2005, ISSN 1841-3870, Craiova, 2005.
47. *Data Mining*, "Cyber" magazine, no. 2-3/2006, ISSN 1841-3870, Craiova, 2006.
48. *Şi altfel despre arbori – Interdisciplinaritate prin concepte esenţiale,* in "Genesis" magazine, 3/2003, ISSN 973-7958-12-8.
49. *Calculatorul şi predarea în învăţământul primar*, Intercounty Symposium „Abordarea interdisciplinară …", Craiova, 20-21.05.2003.
50. *Interdisciplinaritatea, conceptul fundamental în strategiile didactice ale mileniului III: structuri de date*, Intercounty Symposium „Strategii didactice pentru mileniul III", Şc. No. 21, „Gh. Ţiţeica", Craiova, 12.05.2005.
51. *Arbori şi abordări interdisciplinare în universul eminescian*, County Symposium „Mihai Eminescu – mit şi simbol", in volume ISBN 973-671-81-5, Craiova, 15.01.2006.

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