PERSONAL INFORMATION   Daniela Asenova Gotseva

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🌐 http://dgotseva.com

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Sex Female | Date of birth | Nationality Bulgarian

JOB APPLIED FOR   Lecturer

From 2020 — Vice Dean at Faculty of Computer Systems and Technologies

Computer System Department, Faculty of Computer Systems and Technologies – Technical University of Sofia, 8, Kliment Ohridski St, Sofia 1000, Bulgaria, http://tu-sofia.bg

- Responsible for Bachelor Degree of "Computer and Software Engineering", "Information Technology in Industry", and "Cybersecurity" specialties;
- Student administration

Business or sector Higher Education, Management

2015-2019 — Dean of Faculty of Computer Systems and Technologies

Computer System Department, Faculty of Computer Systems and Technologies – Technical University of Sofia, 8, Kliment Ohridski St, Sofia 1000, Bulgaria, http://tu-sofia.bg

Business or sector Higher Education, Management

From 2014 — Professor

Computer System Department, Faculty of Computer Systems and Control – Technical University of Sofia, 8, Kliment Ohridski St, Sofia 1000, Bulgaria, http://tu-sofia.bg

- Research area: Systems Programming
- Lecturer and research activities in Computer Science field.
- All of my courses are posted at http://dgotseva.com

Business or sector Higher Education, Management

WORK EXPERIENCE

2008-2015 — Vice Dean at Faculty of Computer Systems and Control

Computer System Department, Faculty of Computer Systems and Control – Technical University of Sofia, 8, Kliment Ohridski St, Sofia 1000, Bulgaria, http://tu-sofia.bg

- Responsible for Master Degree of Computer Systems and Technology and Information Technology,
- Responsible for Bachelor Degree of Computer and Software Engineering and Information Technology in Industry;
- Student administration

Business or sector Higher Education, Management

2008-2014	**Associated Professor**
	Computer System Department, Faculty of Computer Systems and Control – Technical University of Sofia, 8, Kliment Ohridski St, Sofia 1000, Bulgaria, http://tu-sofia.bg

- Research area: Automated Data Processing and Management Systems
- Lecturer and research activities in Computer Science field.
- All of my courses are posted at http://dgotseva.com

Business or sector Higher Education, Management

2002-2008	**Chief Assistant Professor**
	Computer System Department, Faculty of Computer Systems and Control – Technical University of Sofia, 8, Kliment Ohridski St, Sofia 1000, Bulgaria, http://tu-sofia.bg

- Labs, lectures and research activities in Computer Science field..
- All of my courses are posted at http://dgotseva.com

Business or sector Higher Education, Management

1998-2002	**Senior Assistant Professor**
	Computer System Department, Faculty of Computer Systems and Control – Technical University of Sofia, 8, Kliment Ohridski St, Sofia 1000, Bulgaria, http://tu-sofia.bg

- Labs and research activities in Computer Science field..
- All of my lab materials are posted at http://dgotseva.com

Business or sector Higher Education, Management

1996-1998	**Assistant Professor**
	Computer System Department, Faculty of Computer Systems and Control – Technical University of Sofia, 8, Kliment Ohridski St, Sofia 1000, Bulgaria, http://tu-sofia.bg

- Labs and research activities in Computer Science field..
- All of my lab materials are posted at http://dgotseva.com

Business or sector Higher Education, Management

EDUCATION AND TRAINING

21-24 February 2005	**Certificate**
	Partners in Learning, Microsoft Corporation, Hungary, Budapest

- How to train young programmers in Visual Basic

August, 2001	**Certificate**
	Rila Solutions, Bulgaria

- CTEC Course on Visual Basic
- 1-week course for Visual Basic development

1997-2005	**PhD in Artificial Intelligence**
	Computer System Department, Faculty of Computer Systems and Control – Technical University of Sofia, 8, Kliment Ohridski St, Sofia 1000, Bulgaria, http://tu-sofia.bg

- PhD Thesis "Fuzzy language extension in conventional programming languages"

1984-1989	**MSc in Computer Systems (Engineer)**
	Computer System Department, Faculty of Computer Systems and Control – Technical University of Sofia, 8, Kliment Ohridski St, Sofia 1000, Bulgaria, http://tu-sofia.bg

- Engineer in computing machinery and programming landuages

PERSONAL SKILLS

Mother tongue(s)	Bulgarian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C1
Russian	C1	C1	B1	B1	B1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills
- Good communication skills gained through my experience as lecturer
- Team spirit; good ability to adapt to multicultural environments, good communication skills gained through my experience as university teacher and vice dean council member.

Organisational / managerial skills
- Leadership (currently responsible for Bachelor Degree of Computer and Software Engineering and Information Technology in Industry educations;
- Student administration in the Faculty of Computer Systems and Control ate Technical University of Sofia (currently responsible for 1000 people);
- Good experience in project management through work upon 4 international and 4 national projects;
- Reviewer (1) and Organization Committee Member (1) of International Conferences.

Job-related skills
- Embedded programming for robots and other devices,
- Database system management,
- C#, J# and .NET programming,
- Object oriented analysis and design techniques – C++, Java, C#
- Python Programming
- UML and Architecture/Design using Rational Rose,
- Desktop and Distributed Application Development;
- ERP SAP System;
- SAP Hana Cloud

Computer skills
- good command of Microsoft Office™ tools
- good knowledge of Linux tools and OS

Other skills
- Customer specifications negotiation and expectation management
- BrainBench tests: Delphi 3.0, Java 1, UML Beta test, C, React
- ISO-9001:1996/2000 Quality control.

ADDITIONAL INFORMATION

Publications	40 papers (in English) and 3 books (in Bulgarian) from recent 10 years
PhD Students	Supervisor of 8 PhD students: ▪ 7 successful defences, - 2 in English and 7 in Bulgarian ▪ 5 in the process of developing a thesis – 2 in English and 3 in Bulgarian
Created Laboratories	▪ Digitalization ▪ Artificial Intelligence ▪ Connectivity ▪ Information Security ▪ ERP Systems
Honours and awards	▪ Systems Programming
	▪ Rotaty International and Ministry of Education award for contribution of IT technologies into Education, 2006 ▪ Ministry of Education award of Second National Conference of uning IT in Phisics at secondary school, 2004
Memberships	▪ Member of IEEE (Computer Society, Computational Intelligence Society), ▪ Member of Bulgarian Federation of Engineering Association
ANNEXES	
	▪ List of recent publications in English(2012-2022); ▪ web page: httP://dgotseva.com

Annex 1

RECENT PUBLICATIONS in English (2012-2022)

1. Nikolov, N., **Daniela Gotseva,**. Design and research of IoT room monitoring system, 30th International Scientific Conference Electronics, ET 2021, 2021, DOI: 10.1109/ET52713.2021.9579638

2. Trifonov, R., **Daniela Gotseva,**, Stoynov, P., Brute Force Network Attack Detection through Neural Networks, 30th International Scientific Conference Electronics, ET 2021, 2021, DOI: 10.1109/ET52713.2021.9579905

3. Nikolov, N., Nakov, O., **Daniela Gotseva,**., Research of MQTT versus LwM2M IoT communication protocols for IoT, 56th International Scientific Conference on Information, Communication and Energy Systems and Technologies, ICEST 2021 – Proceedings 9483477, pp. 45-48, 2021, DOI: 10.1109/ICEST52640.2021.9483477,

4. Nikolov, N., Nakov, O., **Daniela Gotseva,**. Operating Systems for IoT Devices, 56th International Scientific Conference on Information, Communication and Energy Systems and Technologies, ICEST 2021 – Proceedings 9483477, pp. 41-44, 2021, DOI: 10.1109/ICEST52640.2021.9483469

5. Prebreza, R., **Daniela Gotseva,**, Nakov, O. Recommendation Systems Based on Textual Document Analysis, 29th National Conference with International Participation (TELECOM), pp. 90-95, 2021, DOI: 10.1109/TELECOM53156.2021.9659605

6. Prebreza, B. B, **Daniela Gotseva,** A, Nakov, P. O, 2021, A Study of Documents Management System Based on Web, Case Study: University, 29th National Conference with International Participation (TELECOM), pp. 85-89, 2021, DOI: 10.1109/TELECOM53156.2021.9659663

7. Tudjarov, B., Mitrev, R., **Daniela Gotseva.**, Web-Based Virtual Reality for Planning and Simulation of Lifting Operations Performed by a Hydraulic Excavator, Smart Innovation, Systems and Technologies 216, pp. 125-135, 2021, DOI: 10.1007/978-981-33-4676-5_9

8. Nikolov, N., **Daniela Gotseva,** Development of a method for automotive engine control unit modification for achieving different operating modes using software correction, IOP Conference Series: Materials Science and Engineering 1002(1),012024, 2020, DOI: 10.1088/1757-899X/1002/1/012024

9. Nakov, O., **Daniela Gotseva**, Tomov, Y., Comparative study of selected cryptocurrency, IOP Conference Series: Materials Science and Engineering 1002(1),012024, 2020, DOI: 10.1088/1757-899X/1002/1/012020

10. **Daniela Gotseva**, Tomov, Y., Danov, P., Web-Based Information System for City Transport Management, 28th National Conference with International Participation, TELECOM 2020 – Proceedings 9299563, pp. 101-104, 2020, DOI: 10.1109/TELECOM50385.2020.9299563

11. Stankov, I., **Daniela Gotseva**, An Overview of Security and Risk Management in Business Intelligence Systems, 3rd International Conference on High Technology for Sustainable Development, HiTech 2020 – Proceedings 9363990, 2020, DOI: 10.1109/HiTech51434.2020.9363990

12. **Daniela Gotseva**, Roumen Trifonov, Pavel Stoynov, Neural Networks for Intrusion Detection, Ninth International Conference, Globalization: business, finance and education – GB-2019, JIEB-7-2019, pp.19-23. 2019 II International Conference on High Technology for Sustainable Development (HiTech), DOI: 10.1109/HiTech48507.2019.9128245

13. **Daniela Gotseva** ; Yavor Tomov ; Petko Danov, Comparative study Java vs Kotlin, 2019 27th National Conference with International Participation (TELECOM), 30-31.10.2019, DOI: 10.1109/TELECOM48729.2019.8994896

14. **Daniela Gotseva**, Roumen Trifonov, Pavel Stoynov, Artificial intelligence and advanced technologies - some case studies from European research space, Journal of Financial and Actuarial Mathematics and Management JFAMM-6-2018, pp.13-19, ISSN: 2367-5810.

15. **Daniela Gotseva**, Yavor Tomov, Petko Danov, Evolution of programming languages, CAx Technologies, issue №6, December 2018, ISSN 1314-9628, pp.5-10.

16. **Daniela Gotseva**, Yavor Tomov and Petko Danov, Overview of the Concept of Language-Oriented Programming, International Scientific Conference Computer Science'2018, 13-15 September, 2018, Kavala, Greece, ISBN: 978-619-167-177-9, pp.118-122.

17. Vasil Angelov, Roumen Trifonov and **Daniela Gotseva**, Text Preprocessing for Documents Classification, International Scientific Conference Computer Science'2018, 13-15 September, 2018, Kavala, Greece, ISBN: 978-619-167-177-9, pp.144-148

18. Roumen Trifonov, **Daniela Gotseva** and Vasil Angelov, Binary Classification Algorithms, International Journal of Development Research, Vol. 07, Issue, 11, November, 2017, ISSN: 2230-9926, pp.16873-16879

19. Roumen Trifonov, **Daniela Gotseva** and Vasil Angelov, Analysis Of Data Mining Evaluation Methods' Efficiency, International Journal of Development Research, Vol. 07, Issue, 11, November, 2017, ISSN: 2230-9926, pp.16880-16884

20. **Daniela Gotseva**., Trifonov, R., Angelov, V., Data Mining and Classification Techniques, International Journal of Software and Web Sciences (IJSWS), Vol. 1, Issue 17, June-August 2016, pp. 01-06. (IF: 5.88)

21. **Daniela Gotseva**., Kesova, V., Instructional design for distance learning conducted by the National Institute of Justice consistent with the characteristics of the profiled target group of learners, International Journal of Engineering, Business and Enterprise Applications (IJEBEA), Vol. 1, Issue 16, March-May 2016, pp. 01-07. (IF: 6.32)

22. Lachezar Lichev, Jakub Hendrych, Radim Kunchicky, Karolina Feberova, **Daniela Gotseva**, A new method of defining objects of interest and 3D visualization in FOTOMNG system, International Scientific Conference Computer Science'2015, 8-10 September, 2015, Durrës, Albania, ISBN: 978-619-167-177-9, pp.82-87

23. Nakov, O., **Daniela Gotseva**, Mpinos, A., A Dynamic Maintenance System for Electric Motor Using Bayesian Networks, Journal of Computer & Communication Engineering, vol. 9, 2/2015.

24. Kesova, V., **Daniela Gotseva**, Educational-Methodical Guidance in Electronic Remote Training of Magistrates at the National Institute of Justice (in Bulgarian), Journal of Computer & Communication Engineering, vol. 9, 1/2015.

25. Nakov, O., **Daniela Gotseva**, M.Ch. Anastasios, A DYNAMIC MAINTENANCE SYSTEM FOR ELECTRIC MOTOR USING ULTRASOUND MONITORING, Proceedings of the 13th International Conference on Challenges in Higher Education and Research in the 21st Century, 2015, Sozopol, Bulgaria.

26. **Daniela Gotseva**, Lichev, L., Hendrych, J., Kunchicky, R., Feberova, K., A new method of defining objects of interest and 3D visualization in FOTOM-NG system, Proceedings of the 7th International Scientific Conference "Computer Science'2015", 2015.

27. Nakov, O., **Daniela Gotseva**, Zuliamova, B., Performance of RSA Algorithm Using Chinese Reminder Theorem, Journal of Computer & Communication Engineering, vol. 8, 2/2014.

28. Nakov, O., **Daniela Gotseva,** Zuliamova, B., Protected Distance Voting with Paper Ballots (in Bulgarian), Journal of Computer & Communication Engineering, vol. 8, 2/2014.

29. Pavlov, M., **Daniela Gotseva**, An Experimental Aspect-Oriented Design Methodology, IJCSI International Journal of Computer Science Issues, Vol. 10, Issue 2, No 1, March 2013, pp. 486-490, ISSN (online): 1694-0784.. (20/2=10)

30. **Daniela Gotseva**, I. Dimakopoulos, Knowledge representation with SOA, IJCSI International Journal of Computer Science Issues, Vol. 10, Issue 1, No 3, January 2013, pp. 443-448, ISSN (online): 1694-0784.

31. **Daniela Gotseva**. I. Dimakopoulos, I. Simeonov, An Analysis of Decision Support Systems, Journal of Computer & Communication Engineering, vol. 7, 2/2013, pp.12-17, ISSN: 1314-2291.

32. **Daniela Gotseva**, I. Simeonov, I. Dimakopoulos, Strategies for Improving DSS Research, International Journal of Software and Web Sciences (IJSWS), Sept. -Nov. 2013, issue 6, ISSN (Online): 2279-0071, pp. 1-5.

33. **Daniela Gotseva**, An Investigation of String and String Builder Classes in C#, Journal of Emerging Trends in Computing and Information Sciences, vol. 4, No 12, December, 2013, pp. 964-970, ISSN (Online): 2279-0055.

34. **Daniela Gotseva**. Stafull Knowledge Session Implementation with Rete Algorithm, RECENT Journal, vol. 14, no. 3(39) November 2013, pp. 160-164, ISSN: 1582-0246.

35. **Daniela Gotseva**, M. Pavlov, Aspect-Oriented Design Diversity, International Journal of Emerging Technologies in Computational and Applied Sciences(IJETCAS), Dec. 2012-Feb. 2013, issue 3, vol. 2, pp.128-132, ISSN (Online): 2279-0055.

36. **Daniela Gotseva**., M. Pavlov, How Aspect-Oriented Programming Can Enforce Clean Design, International Journal of Software and Web Sciences (IJSWS), Dec. 2012-Feb. 2013, issue 3, vol. 2, ISSN (Online): 2279-0071, pp. 63-68.

37. **Daniela Gotseva,** L. Nimrawi, Comparison between Object-Relational and Object-Oriented Databases. Case Study, RECENT Journal, vol. 13, no. 3(36) November 2012, pp. 291-295, ISSN: 1582-0246.

38. **Daniela Gotseva**, M. Pavlov, Aspect-Oriented Programming with AspectJ, International Journal of Computer Science Issues, vol. 9, issue 5, September 2012, pp. 212-218, ISSN (online): 1694-0784.

39. **Daniela Gotseva,** I. Dimakopoulos, An Approach to Representation of Artificial Intelligence in Java, Journal of Computer & Communication Engineering, vol. 6, 2/2012, pp. 23-27, ISSN: 1314-2291.

40. **Daniela Gotseva**., M. Pavlov, Aspect Orientation: The Path to Highly Modular Software Design, Journal of Computer & Communication Engineering, vol. 6, 1/2012, pp.17-20, ISSN: 1314-2291.