Dimitar Mišev

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Education

Jacobs University, Bremen, Germany   *2012/11 - 2015/08 (expected)*

PhD candidate in Computer Science on the topic of "Integrating Array and Table Worlds".

Jacobs University, Bremen, Germany   *2010/09 - 2012/08*

MSc in Computer Science.

Jacobs University, Bremen, Germany   *2007/09 - 2010/05*

BSc in Computer Science.

Faculty of Computer Science, Belgrade, Serbia   *2006/10 - 2007/07*

Completed one year of undergraduate studies in Computer Science.

SOU Slavco Stojmenski, Stip, Macedonia   *2002/09 - 2006/06*

Completed 4-year high school education.

Work Experience

Director of Product Development, rasdaman GmbH, Bremen Germany   *2011/02 - to date*

Working on R&D of rasdaman, a world-leading Big Array Analytics engine.

Teaching Assistant, Jacobs University, Bremen, Germany   *2010/09 - 2010/12*

Teaching assistant for Databases and Web Applications, a computer science specialization course.

Java developer, KWARC Research Group, Bremen, Germany   *2008/03 - 2011/01*

Responsible for the development of a Java library (JOMDoc) that provides Java API to work with OMDoc documents in a higher, object-oriented way.

Java developer, Cognitive Systems (CoSy), Bremen, Germany   *2009/05 - 2010/05*

Responsible for the development of CoSyCAD, a program that can be used to assist architects in the layout of a floor plan and to simultaneously analyze the cognitive complexity of routes in an indoor environment.

J2EE developer, CleverSoft GmbH, Munich, Germany   *2009/06 - 2009/09*

Worked on a software system for financial institutions, based on J2EE technologies JBoss, EJB3, Hibernate, Seam, JSF. For a while also worked with Web Services, Perl, and as a System/Server administrator.

Web Services developer, Finantix, Venice, Italy   *2008/06 - 2008/09*

Designed and implemented a testing framework for an XML serialization engine, then a Web service bridge between Apache CXF and the internal business model, and a Web Services testing framework.

Java developer, DFKI, Bremen, Germany   *2008/06 - 2008/09*

Done a three-months internship at the German Research Center for Artificial Intelligence concentrating on the development of a notation service for the JOMDoc library and its integration with other projects.

Technical Skills

Operating Systems: GNU/Linux, Windows
Programming: Java, C/C++, Perl, Python, Bash, Autotools
Web Technologies: J2EE, Web Services, HTML/XHTML, CSS, JavaScript
Database Technologies: rasdaman, PostgreSQL, BaseX, eXist, JDBC

Soft Skills

Languages	Macedonian: mother thongue, English and Serbian: fluent, German: working knowledge
Organizations	Member of Mensa (The High-IQ Society) since 2004
Hobbies	Photography, mountaineering, swimming, skiing

Awards & Achievements

2008	Top 10 in the IEEE Extreme competition among teams from Universities from all over the world.
2006-2010	Full 4-year scholarship by the Faculty of Computer Science, Belgrade, Serbia.
2006	Participated in the 18th International Olympiad in Informatics, Merida, Mexico.
	Bronze medal at the 14th Balkan Olympiad in Informatics, Nicosia, Cyprus.
	Gold medal at the 10th Macedonian Olympiad in Informatics.
	"Toso Arsov" award by the city of Stip for outstanding achievements in the field of Informatics.
2005-2006	Awarded with the National Scholarship for Talented Students in Macedonia.
2005	Participated in the 13th Balkan Olympiad in Informatics, Rhodes, Greece.

Publications & Theses

Peter Baumann and Dimitar Misev. Science SQL. In *Conference on Big Data from Space, BiDS '14, Frascati, Italy, November 12-14, 2014.*

Dimitar Misev and Peter Baumann. Extending the SQL Array Concept to Support Scientific Analytics. In *Conference on Scientific and Statistical Database Management, SSDBM '14, Aalborg, Denmark, June 30 - July 02, 2014.* ACM, 2014.

Peter Baumann, Jinsongdi Yu, Dimitar Misev, Kinga Lipskoch, Alan Beccati, and Piero Campalani. *Geographical Information Systems: Trends and Technologies*, chapter Preparing Array Analytics the Data Tsunami. CRC Press, 2014.

Piero Campalani, Dimitar Misev, Alan Beccati, Peter Baumann. Making Time Just Another Axis in Geospatial Services. *20th International Symposium on Temporal Representation and Reasoning (TIME)*; 09/2013.

J.H.P. Oosthoek, J. Flahaut, A.P. Rossi, P. Baumann, D. Misev, P. Campalani, and V. Unnithan. PlanetServer: Innovative Approaches for the Online Analysis of Hyperspectral Satellite Data from Mars. *Advances in Space Research*, 2013.

Dimitar Misev. Sorting in Multi-dimensional Databases. Master's Thesis. Computer Science, Jacobs University, Bremen, 2012.

Peter Baumann, Piero Campalani, Dimitar Misev, Jinsongdi Yu. Finding My CRS: A Systematic Way of Identifying CRSs. In *ACM SIGSPATIAL GIS*, November 2012, pp. 71–78.

Peter Baumann and Dimitar Misev. Towards Scalable Ad-Hoc Climate Anomalies Search. In *Proceedings of the 1st ACM SIGSPATIAL International Workshop on Analytics for Big Geospatial Data*, BigSpatial '12, pages 101–110, New York, NY, USA, 2012. ACM.

Dimitar Misev, Peter Baumann, and Jürgen Seib. Towards Large-Scale Meteorological Data Services: A Case Study. *Datenbank-Spektrum*, 12(3):183–192, 2012.

Dimitar Misev, Mihaela Rusu, Peter Baumann. A Semantic Resolver for Coordinate Reference Systems. *Web and Wireless Geographical Information Systems - 11th International Symposium*, W2GIS 2012, Naples, Italy, April 12-13, 2012.

Dimitar Misev. Integrating SUMO and OMDoc. Bachelor's Thesis. Computer Science, Jacobs University, Bremen, 2010.

Heinrich Stamerjohanns, Deyan Ginev, Catalin David, Dimitar Misev, Vladimir Zamdzhiev, Michael Kohlhase *MathML-aware article conversion from LaTeX, A comparison study*; in Petr Sojka, ed. *Towards Digital Mathematics Library, DML 2009 workshop*, Masaryk University, Brno, 2009., 2009.