

Curriculum Vitae

Personal Data

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Name Yulian Rumenov Pastarmov
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Education

University Education

2003 - 2007 TU Darmstadt
Bachelor in Mathematics with Computer Science
Bachelor Thesis : [Supporting Convenient Application of Linear Programming](#)

2007 - 2008 TU Darmstadt
Master of Science Mathematics and Computer Science
Master Thesis : Image-Based 3-D Reconstruction Using Context and Probabilistic Learning Methods

Additional Training

2001 - 2003 Private Lessons in Informatics by Assoc. Prof. Dr. Stoyan Kapralov
Major: Preparatory course for competitions in Informatics. Graph Theory, Combinatorics, Analytical Geometry, Discrete Mathematics.

2000 - 2003 Private Lessons in Mathematics by Todor Velichkov
Major: Training for competitions in mathematics. Analytical Geometry, Matrix Calculations, advanced techniques

Experience

- 1999 -2003 Eurosoft Ltd. Bulgaria (part of XiTeC GmbH Germany) (<http://xi-tec.com>)
Position: Software Engineer (part-time)
C/C++, Delphi, Assembler, SQL, Java, HTML for Win 9x/2k/XP and Palm
Projects:
[PhoneOffice](#) - a phone calls management program, voice mail service
[ActiveMail](#) - a general enhancement to the SMTP protocol for embedding rich media content - large scale project
SurfID - a set of plug-ins for Internet Explorer, Netscape Navigator, Outlook, Outlook Express and a small application for data storage under PalmOS for Palm computers.
Partial participation in some of the other software projects of the company.
- 2002 Kobrix Software Inc. U.S.A. (<http://www.kobrix.com/>)
Position: Software Engineer (outsourcing)
C++, VBA for Word, HTML
Project:
Documentation for a set of JSP classes - a set of software solutions for creating an online (HTML based) documentation from a DOC file.
- 2000-2001 KamPa GmbH Bulgaria (project contract)
Position : Team Leader, Software Engineer
Small team (<5 members), VC++, Delphi, SQL, BDE
Project:
Avicena - automated medicine information service with client server abilities

- 2002 MarWel GmbH Bulgaria (part time)
 Position : Software Engineer
 GNU C/C++, Java, HTML, PHP, Linux, routing
 Project: AccounteX (now under GNU <http://sourceforge.net/projects/accountex/>) – IP Accounting system with extended capabilities.
- 2007 Siemens AG München – Discrete Optimization Department (CT SE)
 Position : Practice (2months), Project Maintenance (internship/part time job)
 Programming in C++
 Project : LPInterface – Generic interface to LP-Solver libraries
- 2004-2008 Fraunhofer Institute Darmstadt, Institut fuer Graphische Datenverarbeitung, Department 4 - Virtual and Augmented Reality (<http://www.igd.fhg.de/igd-a4/>)
 Position : Research&Development
 Programming in C++, MatLab
 Projects : MATRIS - Markerless real-time Tracking for Augmented Reality Image Synthesis
 HDW – Using AR for comparison of CAD models and prototypes
 SKILLS – Using VR&AR for improving of educational and training systems
 iTACITUS - aims explore ways in which information technology can be employed to encourage cultural tourism.
- 2007-present JLSOFT Ltd. Veliko Tarnovo, Bulgaria (<http://jlssoft.eu>)
 Position : Shareholder, Technical/Product Advisor
 Projects : Web development, E-Commerce systems, Hosting
 Rezerve.bg – Touristic reservation and payment system (<http://rezerve.bg/>)
 E-Dnevnik – Online service for teachers and students for primary and high schools (<http://dnevnik.jlssoft.eu>)
- 2008-present DFKI GmbH Kaiserslautern (German Research Center for Artificial Intelligence) (<http://av.dfki.de/>)
 Position : Researcher (full-time)
 Projects : CAPTURE – 3D Reconstruction from high-resolution HDR spherical images

Skills, Competencies and Achievements

Skills and Competencies

- Languages Bulgarian - native
 English - fluent
 German - fluent
 Spanish - beginner
- Other Certificates First Certificate in English (FCE), Grade A
 & Memberships Certificate in Advanced English (CAE), Grade B
 Deutsche Sprachlehre für Ausländer Teil 1 und Teil 2, Grade 5.75 (of maximum 6.00, minimum 2.00)
 UNICert I Deutsch – Grade 2.0
 UNICert II Deutsch – Grade 2.0
- Computer Skills Operating Systems: DOS; Windows 3.1 - 7; Linux
 Programming languages: C/C++/C#, Delphi, Pascal, Java, Visual Basic, Perl, Assembler (x86,RISC), MatLab, SQL
 PC hardware assembly, support and tuning; LAN networks – installation and administration.
 Dynamic Web Site content creation with HTML, PHP, Perl, ASP.NET.
 Internet protocols: FTP, HTTP, SMTP, POP3, DNS.

Achievements

- 1997 1st place National Software Writing Competition - Stara Zagora, Bulgaria
- 1999 1st place National Programming Contest – Kranevo, Bulgaria
- 2000 11nd place National Software Writing Competition - Sliven , Bulgaria

2002 1st place National Contest "Site of my home town" - Sofia, BYTE Expo 2003 (address: <http://www.vtworld.net> (closed due to discontinued domain registration))

2003 1st place Competition in mathematics "Kangaroo" - Veliko Tarnovo, Bulgaria

1997-2003 more than 20 qualifications in the first five places on national competitions in informatics and mathematics in Bulgaria

2002 Creation and presentation of multimedia lesson in biochemistry - theme "Organic Polymers" - High School with Mathematical and Natural Science Profile "Vassil Drumev" - Veliko Tarnovo (address: http://khimiya.org/volume11/vol11_3.htm)

2005 1st place Informatics Competition - „Beyond The Frame“ organized from Tumbleweed Bulgaria (<http://www.tumbleweed.com>)

1997 Awarded with a scholarship for the whole period of studying for extremely high achievements in national competitions in Informatics - "Eureka" foundation

2005 Awarded with a scholarship for the period of one year for good achievements from the TU Darmstadt Mathematics Dep. Work group Discreet Optimization and Siemens AG

2007 Held a series of lessons in the at the High School of Mathematics and Natural Sciences in Veliko Turnovo Bulgaria - Aim was to present and transmit my experience or at least my enthusiasm to some extent concerning participation in different competitions in Computer Science

Publications

2002 Publication in a national magazine 'Chemistry' - Using Computer Technologies in Teaching Chemistry and Biology in the High School - page 185, Volume 11, Sofia

2003 Article in a national newspaper - software preview "GraceByte - Network Assistant 3.0" - "INTERNET", page 3(also as headline under the title), issue 4, Sofia

2005 Publication in the Journal of the Annual Conference Winter School of Computer Graphics 2005, "Real-time 3D Camera Tracking for Industrial Augmented Reality Applications"
Bleser, G., Pastarmov Y., Stricker, D.
(http://wscg.zcu.cz/wscg2005/Papers_2005/Full/E53-full.pdf); Chosen for Selected Reading

2005 Publication for the Zweiter Workshop Virtuelle und Erweiterte Realität der GI-Fachgruppe VR/AR 2005, "Visual tracking for augmented reality: No universal solution but many powerful building blocks" Becker M., Bleser G., Pagani A., Pastarmov Y., Stricker D., Vial F., Weidenhausen J., Wohlleber C., Wuest H.; Best Paper Award 5th Place (http://www.vrca.rwth-aachen.de/GIWorkshop2005_VRAR/index.php)

2007 Publication for VAST Conference "iTACITUS - Novel Interaction and Tracking Paradigms for Mobile AR". Birmingham (not yet published) <http://itacitus.org/>

Hobbies

1995 - 1997 Trained Tennis
Volleyball, basketball, mind games and reading.