Curriculum Vitae

Maris Jukss

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EDUCATION

McGill University, Montreal, Canada   Sept. 2011-present
  Pursuing Masters degree in Computer Science
  Area of study: Modelling and Simulation

Riga Technical University, Riga, Latvia   2003-2004
   Completed one year of two year Master studies
   Areas of study: Computer Science and Applied Computer Systems

Riga Technical University, Riga, Latvia
 Bachelor of Science in Computer Science and Computer Administration   2000-2003
   Thesis: "Object-oriented design using design patterns"
   Related Coursework: Project Management, Software Development,
   Programming Languages, Risk Analysis, Object-oriented A&D, Technology of
   large databases, etc.

WORK EXPERIENCE

Software Developer, Nuance, Enterprise R&D – Montreal, Canada   2008-Oct. 2011
- Developed Nuance Speech Server (NSS) in C/C++ under both Linux and Windows. NSS is a SIP/MRCP server applied in many areas for speech recognition, synthesis, etc.
- Developed Nuance Verification Server, a Java/Tomcat server used for speech verification.
- Used Eclipse, Visual Studio, GDB, Valgrind, ClearCase and other tools for development.
- Participated in all stages of software development cycle in Agile.

Software Engineer, Logic Supply, Inc – Burlington, VT   2007-2008
- Developed software for in-house and customer needs, including requirements analysis and design
- Created software for both GNU/Linux and Windows, while being a primary Windows platform developer using .NET Visual Studio
- Implemented enhancements and bug fixes for company website www.logicsupply.com in PHP, Javascript, using MySQL, Subversion, Trac, and Eclipse IDE
- Created new software and hardware for testing of electronic devices designed by the company

Web design, Computer Support, Brown Enterprises, Inc – South Londonderry, VT   2004–2007
- Designed and maintained the company website www.brownenterprises.net using PHP/MySQL, AJAX and Java Script
- Developed the innovative "Build Your Own Tractor" online system for the Massey Ferguson dealer
- Developed software in Visual C++ for the sales department to assist with in-store and

road sales; the implementation for Pocket PC included sales database and on-the-go quotation ability
- Maintained a UNIX and Linux server hosting primary business software and a Windows XP server for various networked applications (e.g. accounting and inventory management)
- Enabled uninterrupted company service during a server crash by porting UNIX to an ordinary PC workstation until a new server arrived
- Conducted sales of website advertisement space.
- Ensured availability of IT resources for users within the enterprise: wired/wireless networking, software, hardware, troubleshooting, policies, security, purchases.

Sales Assistant, Customer Service, Brown Enterprises, Inc – South Londonderry, VT   Summer 2004
- Consulted on software and hardware issues.
- Sold parts, hand held equipment, ATVs and snowmobiles.
- Assisted customers in-store and on the phone
- Completed business software training

Hardware and Software Upgrades, AK Alianse Insurance – Riga, Latvia   2003
- Conducted extensive hardware, operating and office systems upgrade for one of the top Latvian insurance enterprises.

Summer '01,'02,03

PUBLICATIONS

Maris Jukss "Object-oriented design using design patterns". in proceedings Riga Technical University 44th scientific and technical conference. Riga, Latvia 2003

TECH. REPORTS

Maris Jukss and Hans Vangheluwe and Clark Verbrugge, "Implementing Graph Transformation Languages using RDF Storage and SPARQL Queries", School of Computer Science, McGill University, August 2012, SOCS-TR-2012.3,

SUBMISSIONS

Maris Jukss and Hans Vangheluwe and Clark Verbrugge, "Scope in Model Transformations", ICMT conference, Budapest Hungary, , February 2013

DEMOS

Maris Jukss and Hans Vangheluwe and Clark Verbrugge "Implementing Graph Transformation Languages using RDF Storage and SPARQL Queries",CASCON conference, Markham ON, November 2012

POSTERS

Maris Jukss and Hans Vangheluwe and Clark Verbrugge "Implementing Graph Transformation Languages using RDF Storage and SPARQL Queries", NECSIS workshop, Gatieneau QC, June 2012

Levi Lúcio, Hans Vangheluwe, Eugene Syriani, Maris Jukss "How to Verify a Model Transformation does its Job?", CASCON conference, Markham, ON, November 2011

SKILLS

Experience of full software development cycle using C/C++, Python, .NET/MFC, PHP, Java and tools like Microsoft Visual Studio, Visio, Eclipse IDE, GDB, Valgrind Website development using Dreamweaver, FrontPage, PHPed, etc., in HTML, CSS,

PHP/MySQL, and JavaScript, AJAX
SIP, MRCP, ACE, STL, RTP
Experience with Perl
Software version control ClearCase, Subversion. Trac, Reviewboard and ClearQuest
Object-oriented analysis and design of business systems, using UML modeling
language, object-oriented and procedural programming, regular expressions
Database development and maintenance in Oracle, MySQL, and Access using query
languages SQL and PLSQL
GNU/Linux, Unix operating systems, networking and administration. Apache and
Tomcat, Unix shell scripting
Certified Ubuntu Linux system builder
Excellent writing and communication skills, strong work ethic
Native fluency in Russian and Latvian; fluency in English, intermediate fluency in
French, knowledge of German and Lithuanian.

INTERESTS/ACTIVITIES

Photography, piano, classical music, badminton, swimming, fishing

Permanent resident in Canada.