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OBJECTIVE

Software Engineer

EDUCATION

- 9/2007 – 2/2009 **MSc in Computer Science – Computer Vision**
University of Toronto, Toronto, Canada
GPA: 100/100
- 7/2008 **IBM Certified Database Associate for DB2**
IBM Professional Certification Program – DB2 9 Fundamentals
- 9/2004 - 4/2007 **BA with Specialized Honours in Computer Science**
York University, Toronto, Canada
GPA: 91/100
- 6/2006 - 7/2006 **Student exchange program**
Foundation for Research and Technology – Hellas, Heraklion, Crete, Greece
Institute of Computer Science
- 9/2004 - 10/2006 **BA in Computer Science**
York University, Toronto, Canada
GPA: 92/100
- 9/1999 - 4/2003 **BEng in Information Technology**
Technical University of Zagreb, Zagreb, Croatia
Continued at York University
- 9/1998 - 8/1999 **BA in Mathematics**
University of Zagreb, Zagreb, Croatia
Continued at Technical University of Zagreb

TECHNICAL SKILLS

- **Programming Languages:** Java (including Swing, AWT, SWT, GEF), MATLAB, UNIX shell scripting, DOS batch, SQL, C/C++
- **Operating Systems:** UNIX, Linux, Windows 2000/XP/Vista
- **Software:** Eclipse, MATLAB (with SIMULINK), SVN, CVS, Hudson, Jira, Lotus Notes, MS Visio, MS Office, OpenOffice
- **Web Technologies:** J2EE, EJB, EMS/JMS, JAXB, GlassFish, Tomcat, XML, XSL, HTML, Web Services, Client-server architecture, WSDL, SOAP
- **Databases:** MySQL, DB2 (DB2 9 fundamentals certification), SQL, JDBC
- **Technologies/Concepts:** OOP, JUnit, Selenium framework, UML, SOA, MVC framework, Scrum, Extreme programming, Agile development, GUI design
- **Hardware:** General knowledge of computer architecture, computer networks, and maintenance

WORK EXPERIENCE

- 5/2009 – current **Entertainment Shopping AG, Munich, Germany**
Web Applications Developer – full time
- Development of the backend application for the Swoopo website
 - Enhancements, optimization and development of new features
 - Design and code refactoring for the backend application
 - Writing tests using JUnit framework, and analysis and resolving of defects
 - Functional testing via Selenium framework
 - Gained practice using Scrum methodology
 - Practiced continuous integration using Hudson integration server
- 5/2008 – 1/2009 **IBM Canada, Toronto, Canada**
Java Software Developer, SOA Enterprise Service Bus Tools – co-op and part time
- Software design and development for WebSphere Message Broker
 - Enhancements for graphical user interface, and design and development of new features for WebSphere Message Broker Flow component
 - Design and code refactoring for WebSphere Message Broker editors
 - Maintaining and testing of existing code base, and analysis and resolving of reported defects
 - Functional verification testing of WebSphere Message Broker and WebSphere Integration Developer
 - Gained expertise in development on Eclipse platform
- 4/2007 – 2/2009 **University of Toronto – Department of Computer Science, Toronto, Canada**
Research Assistant – Artificial Intelligence, Computer Vision
- Worked on an object recognition system for exemplars using SIFT (Scale Invariant Feature Transform)
 - Developed indexing methods for large multidimensional database
 - Worked on methods for disambiguation of images with cluttered scenes
 - Designed and developed a compound SIFT features with additional spatial relations
 - Gained insight in computational cost of indexing algorithms as a function of database size
- 9/2007 – 2/2009 **University of Toronto – Department of Computer Science, Toronto, Canada**
Teaching Assistant
Data Structures and Analysis – 2nd year course
Introduction to Computer Science – 1st year course
Introduction to Software Engineering – 3rd year course
- Weekly tutorial preparation and conduction
 - Office hours and answering questions on the course bulletin board
 - Assignment, test and exam marking and handling remark requests
- 5/2006 - 8/2006 **York University – Department of Computer Science and Engineering and**
University of Toronto – Department of Computer Science, Toronto, Canada
Research Assistant – Artificial Intelligence and Software Engineering
- Extending OpenOME (Organization Modelling Environment) tool for requirement specification and analysis
 - Employed i* graphical notation for specifying models together with agent-oriented specification language
 - Worked on methods for specification of modelled goals and processes to perform formal analysis, verification and simulation

- 9/2004 - 5/2007 **York University – Founders College, Toronto, Canada**
Computer administration/Technical support
- Web design and maintenance
 - Software, hardware and network support for college staff
 - Computer labs monitoring and support
 - Various computer tasks for administration, accounting, document management and automating processes for academic orientation for new students

AWARDS

- 2008/09 **OGS** (Ontario Graduate Scholarship)
Value is \$15000 for academic excellence and leadership abilities.
NSERC PGS M (National Science & Engineering Research Council of Canada, Postgrad Scholarship MSc)
Total of \$17300 for academic excellence and leadership abilities.
- 2007/08 **NSERC PGS M** (National Science & Engineering Research Council of Canada, Postgrad Scholarship MSc)
Total of \$17300 for academic excellence and leadership abilities.
OGS (Ontario Graduate Scholarship)
Value is \$15000 for academic excellence and leadership abilities.
Google Funding for the Google Workshop for Women Engineering – Google
Mary H. Beatty Fellowship Award – University of Toronto
Total of \$1000 for academic excellence.
Hellen S. Hogg Graduate Admission Award – University of Toronto
Total of \$5000 for academic excellence.
- 2006/07 **NSERC USRA** (National Science & Engineering Research Council of Canada – Undergraduate Student Research Award)
Amounted to \$7000 for contributing in lab research.
Dean’s Honor Roll – York University
Recognition of academic achievements.
Computer Science Academic Achievement Medal – York University
Recognition and total of \$500 for academic achievements.
Computer Science Academic Achievement Award – York University
Recognition of academic achievements.
- 2005/06 **NSERC USRA** (National Science & Engineering Research Council of Canada – Undergraduate Student Research Award)
Amounted to \$6000 for contributing in lab research.
Grace Hopper Conference Award – York University
Total of \$1780 for the 1st place in ‘Women in Computer Science’ essay competition.
Dean’s Honor Roll – York University
Recognition of academic achievements.
York International Mobility Award – York University
Amounted to around \$1500 for academic excellence towards a student exchange program.
York University Continuing Scholarship – York University
Total of \$1000 for academic excellence.
- 2004/05 **York University Continuing Scholarship – York University**
Total of \$488 for academic excellence.
Chair’s Honor Roll in Department of Mathematics and Statistics – York University
Recognition of academic achievements in mathematics and statistics courses.
Dean’s Award for Academic Excellence – Academic Achievement List – York University
Top 6% of student body.

LEADERSHIP AND COMMUNITY INVOLVEMENT

- 2007 and 2008 **Volunteering at the Grace Hopper Conference**
Grace Hopper – Celebration of Women in Computing Conference
- 2006 and 2007 **Member of the Departmental Tenure and Promotion Committee**
Department of Computer Science and Engineering – York University
- 2008 **Participant in The Google Workshop for Women Engineers**
Google
- 2007 – present **Participant in the Toronto Geek Girls Dinners events**
Captain of a women’s volleyball team ‘SGS’
University of Toronto Intramural League
Member of the Association of Women in Computer Science and Engineering
University of Toronto
- 2004 – present **Member of WICSE (Women in Computer Science and Engineering)**
University of Toronto

INTERESTS

- **Languages:** Fluent in English, German and Croatian, basic in Spanish and Italian
- **Sports and music:** Skiing, playing volleyball, ice skating and playing violin.