

OLGA V. RATSIMOR

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OBJECTIVE

Seeking a full-time position in a highly innovative environment enabling me to apply my technical expertise and interpersonal skills in creative problem solving, product definition and development, technology evaluation and customer management to effectively contribute to the growth of both, the company and myself.

EDUCATIONAL BACKGROUND

Ph.D. Candidate, Computer Science, (expected graduation date: Aug 2007)
University of Maryland Baltimore County, Maryland.

Dissertation Title: Semi Automated Bartering Of Digital Goods and Services in Pervasive Environments.

M.S., Computer Science, May 2001
University of Maryland Baltimore County, Maryland.

B.S., Computer Science, May 1999
University of Maryland Baltimore County, Maryland.

COMPUTER – RELATED SKILLS

Programming Languages and other technologies: Java, C, C++, JavaScript, VB, VBScript, Servlets, JSP, Python, XML, SQL, MySQL, JDBC, UML, Semantic Web (RDF, OWL, SWRL).

WORK & RESEARCH EXPERIENCE

GE's Global Research Center, PDS – Pervasive Decisioning Systems Lab

Summer Intern, May 2006 – Aug 2006

Worked on the design and development of a prototype for an on-line market place for efficiently matching drivers of small owner-operated tractor trailer fleets with available loads, taking into account driver preferences, load constraints, geographical restrictions and other contextual information. Prototype was implemented using Java Servlets, JDBC, JavaScript and Google Maps API. This work resulted in filing of a **Patent Disclosure**:

VeriWise Trusted Market Place, J. Jesson, P. Mackenzie, J. Salvo, K. Mangino, R. Graziano, C. Theurer, O. Ratsimor, RD 2454, 07/2006

UMBC – Research Assistant, Jan 2000 – Present

Under Dr. Timothy Finin and Dr. Anupam Joshi, eBiquity Research Group CSEE, UMBC.

Worked on projects involving design and development of:

- A framework for negotiations in mCommerce environments.
- A framework for collaborative p2p exchange of promotions, advertisements and coupons in mCommerce environments.
- An infrastructure for alliance-based service discovery in mCommerce environments.
- A framework for collaborative mobile data management in infostation networks.
- An infrastructure that allows location dependent service discovery for mobile devices.
- Policy based network configuration and management prototype.

UMBC – Research Assistant, January 1999 – 2000

Under Dr. Deepinder Sidhu, Maryland Center for Telecommunications Research, UMBC

- Use of Jini infrastructure to provide services in an enterprise environment.
- Analysis of WAP (Wireless Application Protocol) and E-speak (HP).

TEACHING EXPERIENCE

Lecturer

- September 2005 – December 2005: CMSC104 “Problem Solving and Computer Programming” for the Department of Computer Science & Electrical Engineering at UMBC.
- June 2001 – July 2001: “Java Programming Language Workshop” at Morgan State University.

Teaching Assistant

- June 1999 – August 1999: Undergraduate course on Object Oriented Programming in Java.
- August 1999 – December 1999: Graduate course on Enterprise Computing and Web Technologies.
- June 1999 – August 1999: Undergraduate course on Object Oriented Programming in Java.
- June 2000 – August 2000: Undergraduate course on Object Oriented Programming in Java.

PROFESSIONAL ACTIVITIES

Program Committee Member for the “Multiagent Systems and Electronic Markets (MASEM)” track of the 8th International Conference on Electronic Commerce (ICEC 06) Fredericton, New Brunswick, Canada.

Invited Speaker at the Workshop on “Data and Services in Pervasive Computing”, in conjunction with IBM CASCON Conference, 2003, Toronto, Canada.

PUBLICATIONS

Sethuram Balaji Kodeswaran, **Olga Ratsimor**, Filip Perich, and Anupam Joshi *Utilizing Semantic Tags for Policy Based Networking*, Submitted for Review, April 2007

Olga Ratsimor, Dipanjan Chakraborty, Anugeetha Kunjithapatham, Deepali Khushraj, Anupam Joshi, Timothy Finin, Yelena Yesha *Service Discovery in Agent-based Pervasive Computing Environments*, Extended Version, Journal on Mobile Networking and Applications (MONET), Special issue on Mobile and Pervasive Commerce, 2003.

Olga Ratsimor, Anupam Joshi, Timothy Finin, Yelena Yesha, *Intelligent Ad Hoc Marketing within Hotspot Networks*, Technical Report, Nov 2003.

Olga Ratsimor, Anupam Joshi, Timothy Finin, Yelena Yesha, *eNcentive: A Framework for Intelligent Marketing in Mobile Peer-To-Peer Environments*, The 5th International Conference on Electronic Commerce (ICEC), October 2003.

Sethuram Balaji Kodeswaran, **Olga Ratsimor**, Anupam Joshi, Timothy Finin, Yelena Yesha, *Using Peer-to-Peer Data Routing for Infrastructure-based Wireless Networks*, IEEE International Conference on Pervasive Computing and Communications (PerCom), March 2003.

Olga Ratsimor, Sethuram Balaji Kodeswaran, Anupam Joshi, Timothy Finin, Yelena Yesha, *Combining Infrastructure and Ad hoc Collaboration For Data Management in Mobile Wireless Networks*, Paper, ACM Workshop on "Ad-hoc Communications and Collaboration in Ubiquitous Computing Environments", Nov 2002.

Sethuram Balaji Kodeswaran, **Olga Ratsimor**, Anupam Joshi, Timothy Finin, Yelena Yesha, *Numi: A Framework for Collaborative Data Management in a Network of InfoStations*, UMBC SRC, Nov 2002.

Olga Ratsimor, Dipanjan Chakraborty, Sovrin Tolia, Deepali Kushraj, Anugeetha Kunjithapatham, Gaurav Gupta, Anupam Joshi, Timothy Finin, *Allia: Alliance-based Service Discovery for Ad-Hoc Environments*, ACM Mobile Commerce Workshop, September, 2002.

Timothy Finin, Anupam Joshi, Lalana Kagal, **Olga Ratsimor**, Sasikanth Avancha, Vlad Korolev, Harry Chen, Filip Perich, R. Scott Cost, *Intelligent Agents for Mobile and Embedded Devices*. Special issue of the International Journal on Cooperative Information Systems, 2002.

Timothy Finin, Anupam Joshi, Lalana Kagal, **Olga Ratsimor**, Vlad Korolev, and Harry Chen, *Information Agents for Mobile and Embedded Devices*, Paper, Fifth International Workshop Cooperative Information Agents, Modena, Italy, September 6-8, 2001.

Olga Ratsimor, Vladimir Korolev, Anupam Joshi, and Timothy Finin, *Agents2Go: An Infrastructure for Location-Dependent Service Discovery in the Mobile Electronic Commerce Environment*, Paper, ACM Mobile Commerce Workshop, July, 2001.

REFERENCE

Dr. Timothy Finin, Professor, UMBC, e-mail: finin@cs.umbc.edu
Dr. Anupam Joshi, Professor, UMBC, e-mail: joshi@cs.umbc.edu
Dr. Yelena Yesha, Professor, UMBC, e-mail: yeyesha@cs.umbc.edu

Additional references will be furnished upon request.

STATUS

U.S. Citizen