

Pourya Shaker

CONTACT INFORMATION	Box 50 Faculty of Engineering and Applied Science Memorial University of Newfoundland St. John's, NL A1B 3X5 Canada	<i>Voice:</i> (709) 749-1360 <i>E-mail:</i> pouria@engr.mun.ca <i>WWW:</i> www.engr.mun.ca/~pouria
RESEARCH INTERESTS	Software engineering, formal methods, aspect-oriented software development, model-driven software development, component-based software development	
EDUCATION	Memorial University of Newfoundland, St. John's, NL Canada M. Eng. Candidate (thesis-based), Computer Engineering, September 2004 (expected graduation date: December 2006) <ul style="list-style-type: none">• Dissertation Topic: "Design-level Detection of Interactions in Aspect-Oriented Systems"• Advisor: Dr. Dennis Peters B. Eng., Computer Engineering, May 2004	
HONORS AND AWARDS	Univeristy Medal for Adademic Excellence in Computer Engineering, Memorial University of Newfoundland, 2004 Angus Bruneau Award, Memorial University of Newfoundland, 2004 Noranda Scholarship, Memorial University of Newfoundland, 2004 Doctor William Boyle Scholarship, Memorial University of Newfoundland, 2004 Doctor William Boyle Scholarship, Memorial University of Newfoundland, 2003 Centernary of Responsible Government Scholarship, Memorial University of Newfoundland, 2003 Schlumberger Canada Limited Scholaship, Memorial University of Newfoundland, 2002 John Lewis Paton Scholarship, Memorial University of Newfoundland, 2002 Gene H. Kruger Memorial Scholarship, Memorial University of Newfoundland, 2002 Centerary of Responsible Government Scholarship, Memorial University of Newfoundland, 2002 Schlumberger Canada Limited Scholarship, Memorial University of Newfoundland, 2001 Doctor Vincent P. Burke Scholarship, Memorial University of Newfoundland, 2001 Agra Monenco Atlantic Engineering Scholarship, Memorial University of Newfoundland, 2000	
ACADEMIC EXPERIENCE	Memorial University of Newfoundland, St. John's, NL Canada <i>Graduate Student</i> September, 2004 - present Includes Masters level coursework and research <i>Instructor</i> May, 2006 - present Teaching senior undergraduate level course for B. Eng. program in Computer Engineering . Full responsibility for lectures, project, and grades <ul style="list-style-type: none">• 7893 Software Engineering, Spring 2006 <i>Teaching Assistant</i> September, 2004 - April, 2006 Duties varied between courses but included shared administrative responsibilities with faculty instructor, fielding student inquiries, grading assignments and demonstrations, and developing supporting components for course projects <ul style="list-style-type: none">• 9867 Advanced Computing Concepts (graduate level course), Fall 2004.• 9874 Software Design and Specification (graduate level course), Winter 2005, 2006• 5895 Software Design, Winter 2005, 2006	

- PUBLICATIONS
- Shaker, P. and Peters D. K. Design-level detection of interactions in aspect-oriented systems, To appear in Proceedings of the 2006 ECOOP Workshop on Aspects, Dependencies, and Interactions, 2006. (this paper has been invited for submission to the special issue of Transactions on AOSD on Dependencies and Interactions with Aspects journal)
- Shaker P. and Peters D. K. An Introduction to Aspect-Oriented Software Development, Proc. Newfoundland Electrical and Computer Engineering Conference, 2005
- Shaker P. and Norvell T. S. The Java Parsing System, Proc. Newfoundland Electrical and Computer Engineering Conference, 2004
- Shaker P., Norvell T. S., and Peters D. K. Edits in Xylia: Preserving the Validity of XML Documents, Proc. Newfoundland Electrical and Computer Engineering Conference, 2002
- PROFESSIONAL EXPERIENCE
- Instrumar Limited**, St. John's, NL, Canada
Software Developer **September, 2003 - January, 2004**
- Implemented PLS (Package Labeling Service), a windows service that prints labels with configurable layout for each completed package in the fiber manufacturing process. PLS is a feature of Instrumar's Attalus fiber system software
 - Designed and implemented ACT (Attalus Configuration Tool), a windows application used to view and perform validity preserving editing of configuration information of Attalus fiber system software
- STES Group**, Tehran, Iran
Software Developer **January, 2003 - May, 2003**
- Designed and partially implemented a time-sheet web-application for STES Group
 - Designed data layer of a windows information system for managing inventory, orders, and client information for Shamekh Inc. Took part in requirements elicitation meetings
 - Programmed server-side and client-side scripts of new STES Group website
- Computer Engineering Research Labs, Memorial University**, St. John's, NL, Canada
Software Developer **May, 2002 - September, 2002 and September, 2001 - January, 2002**
- Implemented validity preserving editing tools of the Xylia toolkit; a Java class library for creating WYSIWYG XML editors
 - Implemented Xylia views (graphical representation of XML elements)
- COMPUTER SKILLS
- Development: Java, C#, C++, C, VB, AspectJ, Ant, CVS, JUnit, NUnit, CppUnit, ASP 3.0, ASP.NET, PHP, JavaScript, VBScript, SQL, MySQL, UML (including Data Modeling Profile), XPath, XSLT, XML Schema, Schematron, Matlab, VHDL
 - Applications: IDEs, modeling tools, common Windows, database, spreadsheet, and presentation software
 - Operating Systems: Unix/Linux (beginner), Windows