

A. Ziad Hatahet

CONTACT INFORMATION	Bahen Center for Information Technology 40 St. George St., Room 4283 Toronto, ON M5S 2E4 Canada	Cell: +1-647-896-8878 hatahet@cs.toronto.edu http://www.cs.toronto.edu/~hatahet
PERSONAL STATEMENT	To gain hands-on experience in a real-world environment by applying my knowledge and skills to solve challenging problems.	
EDUCATION	University of Toronto (UofT) , Toronto, ON M.S. Computer Science, September 2007 – present <ul style="list-style-type: none">• Area: Systems and Networking University of Sharjah , Sharjah, United Arab Emirates B.S. Computer Engineering, June 2006 <ul style="list-style-type: none">• GPA: 3.88 / 4.0• Graduated with Distinction, ranking 2nd in the program (top 5%). Dubai National School , Dubai, United Arab Emirates High school Diploma, June 2001 <ul style="list-style-type: none">• Score: 97.5%• Ranked 3rd in graduating class (65 students).	
INTERESTS	Distributed & large-scale systems; systems measurement & performance analysis; modeling & simulation; computer security.	
HONORS AND AWARDS	University of Toronto Fellowship, 2007 – present Distinction Award, University of Sharjah, 2006 Dean's Honor List, University of Sharjah, 2002 – 2006 Certificate of Recognition for Academic Achievements, University of Sharjah, 2002 and 2003	
SELECTED PROJECTS	Email Platform Evaluation , Tucows. Tucows runs a hosted email platform (\approx 3.5M mailboxes in 2 datacenters) built using Xen, Debian, NFS, Postfix, Dovecot, and held together using a bunch of Perl and C. They currently use NFSv3 to export data from NetApp filers to the Xen images running the applications. The project involves evaluating whether or not NFSv4 would result in a performance boost on the present system, and if so, come up with a migration plan from v3 to v4. File System Measurement and Analysis , UofT. The goal of this study is to gain insight on certain aspects of file system behavior and usage patterns, in order to be able to provide better models that describe these systems. The project involved conducting an analysis study on an NFS share containing home directories for 70+ faculty members and students for a research group in the ECE Department at UofT. HTTP Data Distribution Modeling , University of Sharjah. The objective of this project is to design and implement an experiment to construct a probability distribution model for the files transmitted via HTTP. Such a model is useful for applications in network simulation and modeling. This was the graduation project towards the B.S. The work resulted in one publication in an IEEE conference with another paper currently in the works.	

Arabic Frequency Analyzer, Personal project.

An application for lexicographic and frequency analysis of Arabic text. Presently under development.

PUBLICATIONS Y. C. Chehadeh, **A. Z. Hatahet**, A. E. Agamy, M. A. Bamakhrama, S. A. Banawan. “Investigating Distribution of Data of HTTP Traffic: An Empirical Study”. Proceedings of the *IEEE International Conference on Innovations in Information Technology*. November 2006.

CONFERENCE PRESENTATIONS “Investigating Distribution of Data of HTTP Traffic: An Empirical Study”. The IEEE International Conference on Innovations in Information Technology. November 2006.

EXPERIENCE **IBM**, Toronto, ON
DB2 Kernel Developer **May 2008 – present**
I am involved with the *index manager* and *performance dev.* teams under the DB2 DBMS kernel group.

- Optimized handling of query operations for the DB2 index manager.
- Implemented and extended performance monitoring infrastructure for the DB2 index manager.
- Involved in porting and extending an internal DB2 benchmarking utility.

University of Toronto, Toronto, ON **Winter 2008**
Teaching Assistant
TA for CSC148 – Introduction to Computer Science.

Dutco Balfour Beatty, Dubai, United Arab Emirates **April 2007 – June 2007**
Developer
Wrote a (Windows) DLL that was used as a component of a larger program to uniquely identify a host machine (for detection of copyright violations).

University of Sharjah, Sharjah, United Arab Emirates **Dec 2006 – March 2007**
Research Assistant
Project involved developing a watermark for data integrity purposes for R-trees and other multi-dimensional indexing structures.

Hochschule Wismar, Wismar, Germany **January 2006 – March 2006**
Intern
Project involved modeling and analysis of wind data, and applying the results to compute and predict wind power. This would improve the ability to predict energy generated via wind turbines.

COMPUTER SKILLS

- **Languages:** C, C++, Python, Java.
- **Applications and Environments:** Eclipse, Vim, Emacs, L^AT_EX, MATLAB, MS Visual Studio .NET, MS Office.
- **Operating Systems:** Windows, Linux, Mac OS

PROFESSIONAL DEVELOPMENT

Canadian University Software Engineering Conference (CUSEC), Montreal, QC.	2009
USENIX Symposium on Operating Systems Design and Implementation (OSDI), San Diego, CA.	2008
Ontario Linux Fest, Toronto, ON.	2007
IEEE International Conference on Innovations in Information Technology, Dubai, UAE.	2006
Internet Security Workshop, Sharjah, UAE.	2006
The First Nanometer Design Challenges Workshop, Dubai, UAE.	2005
The 10 th IEEE International Conference for Electronics, Circuits, and Systems (ICECS), Sharjah, UAE.	2003

PROFESSIONAL
ACTIVITIES

Reviewer for the *Mobile Data Management Conference 2007*.
Reviewer for the *IEEE Innovations in Information Technology Conference 2006*.
Member of the organizing committee of the *10th IEEE International Conference for Electronics, Circuits, and Systems* in Sharjah, UAE.

PERSONAL
INFORMATION

Citizenship: USA and Canada
Fluent in English and Arabic
Hobbies include: playing guitar, music, aviation, and traveling