

Tomas Singliar

210 S Bouquet St Rm 5406
Sennott Square, [University of Pittsburgh](http://www.cs.pitt.edu)
Pittsburgh, PA 15213

tomas@cs.pitt.edu
<http://www.cs.pitt.edu/~tomas>
office phone: 412-624-9182, cell: request by [e-mail](mailto:tomas@cs.pitt.edu)

OBJECTIVE:	This generic resume informs about my experience and qualifications.
EDUCATION:	PhD candidate, University of Pittsburgh, expected graduation: 12/2008 Master of Science in Computer Science (Artificial Intelligence/Machine Learning) University of Pittsburgh, December 2005, GPA 3.92 Master of Science in Computer Science (Systems Design and Formal Methods) Comenius University , Bratislava, Slovakia, June 2001
RESEARCH INTERESTS:	Statistical Machine Learning - Graphical Models Complex Dynamic Network Systems - Road Traffic Networks Behavior
WORK EXPERIENCE:	Graduate Intern – Technical, Intel Research, Summer 2006 and Fall 2007 (2006) Designed a clustering-based intrusion detection algorithm that improved time-to-detection by 40% over previous HMM-based approach (published AAAI-07) (2007) Designed an algorithm for much faster inference in certain dynamic Bayesian networks (published UAI-08) Freelance programmer, Miner3D.com Designed and implemented (C++) statistical modules for visualization software Graduate Student Researcher, University of Pittsburgh, 2002-present Designed and implemented machine learning and anomaly detection algorithms Created software (in C/C++, SQL, Matlab, ...) supporting research goals Teaching Assistant, University of Pittsburgh, 2002-present Grading assignments and tutoring students in AI and Machine Learning
TOP 5 PAPERS:	T. Singliar, D. Dash: Efficient inference in persistent dynamic Bayesian Networks , 24 th Conference on Uncertainty in Artificial Intelligence, 2008, (UAI-08) T. Singliar, M. Hauskrecht: Learning to Detect Adverse Traffic Events from Noisily Labeled Data , European Conference on Machine Learning/Principles and Practice of Knowledge Discovery in Data (ECML/PKDD-07) T. Singliar, D. Dash: COD – Online Temporal Clustering for Outbreak Detection ; 22 nd Conference on Artificial Intelligence, 2007 (AAAI-07) T. Singliar, M. Hauskrecht: Noisy-OR Component Analysis and its Application to Link Analysis ; Journal of Machine Learning Research, 2006 (JMLR-06) M. Hauskrecht, T. Singliar: Monte-Carlo optimization for resource allocation problems in stochastic network systems ; 19 th Conference on Uncertainty in Artificial Intelligence, 2003 (UAI-03)
PERSONAL:	Citizen of Slovakia, authorized for employment as practical training English at native speaker level, reads in French