

Curriculum Vitae

Iyad Batal

PERSONAL INFORMATION	
	University of Pittsburgh Department of Computer Science 5406 Sennott Square Pittsburgh, PA 15260 Cell phone: +1 (412) 519-7074 Email: iyad@cs.pitt.edu Homepage: http://www.cs.pitt.edu/~iyad/ Email address: iyad@cs.pitt.edu . Citizenship: USA
EDUCATION	
	PhD candidate , University of Pittsburgh, Department of Computer Science. GPA: 3.94 MS , Damascus University, Department of information science (graduated in June 2005). Thesis title: Building Predictive Models for Stock Market using Technical Analysis.
RESEARCH INTERESTS	
	<ul style="list-style-type: none">• Data Mining and Machine Learning: Time series analysis, Feature selection/extraction for high dimensional data, classification.• Decision making for clinical data.• Information Retrieval and text mining.• Advanced Database applications: Indexing and querying spatial, temporal and XML databases.
RESEARCH PROJECTS	
	<u>Clinical Monitoring</u> : Extending classical machine learning approaches to learn from complex multivariate temporal clinical records.

	<p><u>Anomaly detection</u>: Development of statistical anomaly detection methods for identification of unusual outcomes and patient management decisions.</p> <p><u>Bioinformatics</u>: Applications of AI and machine learning in medicine and biology. Tools for analysis of high-throughput proteomic and genomic data sources.</p>
<p>PUBLICATIONS</p>	
	<p>I. Batal and M. Hauskrecht. A Supervised Time Series Feature Extraction Technique using DCT and DWT. International Conference on Machine Learning and Applications (ICMLA), 2009.</p> <p>I. Batal, L. Sacchi, R. Bellazzi, and M. Hauskrecht. A Temporal Abstraction Framework for Classifying Clinical Temporal Data. American Medical Informatics Association (AMIA), 2009.</p> <p>I. Batal and M. Hauskrecht. Boosting KNN Text Classification Accuracy by using Supervised Term Weighting Schemes. ACM Conference on Information and Knowledge Management (CIKM), 2009.</p> <p>I. Batal, L. Sacchi, R. Bellazzi, and M. Hauskrecht. Multivariate Time Series Classification with Temporal Abstractions. Florida Artificial Intelligence Research Society (FLAIRS), 2009.</p> <p>I. Batal, and A. Labrinidis. QuickStack: A Fast Algorithm for XML Query Matching, Technical Report TR-08-155, 2008.</p>
<p>PROFESSIONAL SERVICES</p>	
	<p>Reviewer for the International Joint Conference on AI (IJCAI), 2009</p> <p>Reviewer for the American Medical Informatics Association (AMIA), 2009</p>
<p>MISCELLANEOUS ACADEMIC PROJECTS</p>	
	<ul style="list-style-type: none"> • Relational Databases as Graphs and Fuzzy Queries: my course project for the Data mining course in CMU. • Building Ontology for the Semantic Web. • Java Compiler (from Lexical analysis to code generation).

WORK EXPERIENCE	
	<ul style="list-style-type: none"> • Research Assistant: Fall 2008-Spring 2009. • Teaching Fellow (Instructor): Fall 2007-Spring 2008. • Teaching Assistant: Fall 2006-Spring 2007. • Teaching of a course on SQL and PL-SQL for Oracle: Summer 2006. • Developed the <i>Majestic</i> program to automate administrative and accounting procedures for private institutes. Several copies of the program were sold in the market.
COMPUTER SKILLS	
	<ul style="list-style-type: none"> • <u>Mathematical tools</u>: Matlab (professional), R. • <u>Programming languages</u>: Java, C#, C++, C, Lisp, Prolog. • <u>Web and scripting languages</u>: <ul style="list-style-type: none"> ○ PHP, JSP and Java Script. ○ XML. • <u>Database Systems</u>: Oracle, SQL Server, MySql.
LANGUAGES	
	<p>Arabic (native language)</p> <p>English (fluent)</p> <p>French (fluent)</p>
PERSONAL INTERESTS AND HOBBIES	
	<p>Sports: basket ball, kick boxing and pools.</p> <p>Reading.</p>