Dimitris Kotzias

Computer Scientist

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Age: 22

Education

2007–2012	**Bachelor of Science in Accounting and Finance**, *Business School*, Deree, The American College of Greece.
	Concetration: Finance **GPA: 3.7/4.0** (estimated)
2007–2011	**Bachelor of Science in Computer Science**, *Department of Informatics & Telecommunications*, National and Kapodistrian University of Athens, Greece.
	Double Concentration: Theoretical Computer Science & Databases and Systems. Graduated with Highest Distinction (Arista) **GPA: 8.68/10.00**
thesis	In Data Mining: "Online Burst and Event Detection"
advisor	Professor Dimitrios Gunopulos
description	Created an Online one-pass Algorithm, that can identify bursts of words, and then based on these to identify events. More specifically i tested this in blog posts from major technology blogs, in order to identify bursts and events in the blogosphere.
1995–2007	**High School Diploma**, *Nea Genia Ziridis Highschool*, graduated with Highest Distinction (Arista) **GPA: 18.6/20.0**.

Research Interests

Artificial Intelligence, Algorithms, Graph Theory, Algorithmic Game Theory and Mechanism Design, Data Mining, Operating Systems

Research Experience

Sept. 2010–Present	**Research Assistant**, of Prof. D. Gunopulos, kdd-lab.
	We are working on Web and Text Mining and utilization of Burstiness information for text. Specifically we are working on identifying bursts with an online algorithm, we well as dating a text by utilizing its burstyness information.
Oct. 2010 – Sept. 2011	**Member of research Group**, r4u : Research for undergrads, advised by Prof. E. Koutsoupias.
	We study open problems in Mechanism Design, related to competitive auctions. Specifically, we are dealing with the "digital goods" auction where we work towards finding a low-constant competitive online algorithm.

Professional Experience

Aug 2012–Nov 2012	**Intern in the Information Retreval** , *Atypon*, Working on machine learning in a project aimed at classifying scientific medical papers, I was responsible for a project that automatically assigns MeSH terms to any medical paper..
2010–Present	**Debate and Forensics Coach**, *Moraitis School*.

Workshops Attended

August 2011	Athens Colloquium in Algorithms and Complexity, Athens, Greece, ACAC
July 2011	Greece Economic and Algorithmic Theory Week, Paros, Greece, GREAT

June 2011   2011 Hellenic Data Management Symposium, Athens, Greece, HDMS

Significant Projects

Software Development
Development of an indexed Relational Database Management System from scratch.

System Programming
Implementation of a multithreaded application, p2pFileShare, that acts like a bittorent client, using C

Principles of Programming Languages
Design and Implementation of a simple datalog interpreter

Software Engineering
Member of a 15-person team to create a Versatile Online Comparison tool. User can create categories, insert entities, rate and compare anything, using php

Artificial Intelligence
Implementing $A*$ search algorithm and applying it to a robotic assistant.

Logic Programming
Scheduling tasks and flights, using Constraint Logic Programming, A variation of job-shop problem without the Prolog libraries for CSP

Informatics skills

Programming Languages	C/C++, Java, Prolog, Datalog, shell scripting, Haskell, Python	Operating Systems	Mac OS X, Linux/Unix, Windows
Web Development	HTML, PHP, iWeb™	Applications	LaTeX
Frameworks	OpenGL (Graphics), MPI (Parallel Programming), Weka (Data Mining Software)		

Languages

Greek	Native	
English	Fluent	*Cambridge Proficiency in English in 2006*
German	Basic	*Zertifikat Deutsch 2005*

Other Interests

Debating (I have won distinctive places and judged in many school and university Tournaments both in Greece and International Competitions), Spearfishing, Basketball, Cinema, Juggling, Fantasy Literature