

Dimitrios Kotzias

Curriculum Vitae

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Education

- 2014–present **Philosophy Doctorate in Computer Science**, *University of California Irvine*.
Machine Learning, Advised by [Professor Padhraic Smyth](#)
- 2013–2014 **Master of Science in Computer Science**, *University of Oxford*.
Concentration Machine Learning Distinction (Highest Possible)
thesis “[Multi-Instance Deep Learning](#)”, Advised by [Professor Nando De Freitas](#)
- 2007–2012 **Bachelor of Science in Accounting and Finance**, *The American College of Greece*.
Concentration Finance High Distinction
- 2007–2011 **Bachelor of Science in Computer Science**, *University of Athens*.
Concentration Theoretical Computer Science; Databases & Systems Highest Distinction (Arista)
thesis “[Online Burst and Event Detection](#)”, Advised by [Professor Dimitrios Gunopulos](#)

Professional Experience

- Sept 2016–March 2017 **Teaching Assistant for Discrete Math**, *UC Irvine*, I was a TA for two classes of ICS 6D Discrete Mathematics for [Professor Irani](#). I held regular discussions and gave several lectures to the full class (300 students) in the professor’s absence.
- June 2016–Sept 2016 **SWE Intern in Google Cloud Platform**, *Google*, Worked with the Google Cloud Machine Learning Team on preprocessing of text and images, wrote code samples for geo-location and image data.
- June 2015–Sept 2015 **Data Science Intern in Bing Ads**, *Microsoft*, Worked on Whole Page Optimization, modeling session data for identifying customer intent and ad relevance. Created a new method for splitting queries into sessions, based on query semantic similarity.
- Aug 2012–Nov 2012 **Intern in the Information Retrieval Group**, *Atypon Systems Inc*, Worked on a machine learning project aimed at classifying scientific medical papers. The aim was to automatically assigns labels from the MeSH taxonomy to any medical document.
- Jan. 2010–Jun. 2013 **Debate and Forensics Coach**, *Moraitis School*, Coached pupils ages 13-18 for Debate. This involved teaching speech, argumentation, logical thinking, and rhetoric skills as well as creative skills. It also involved organising and hosting debating tournaments.

Awards

- January 2016 **Yelp Dataset Challenge Winner**, *Yelp*, Our work presented in our KDD 2015 paper won the [Yelp Dataset Challenge](#) for 2015.
- August 2015 **SIGKDD Student Travel Award**, Won a student travel award in order to present my work in KDD 2015.

Selected Publications

- 2016 M. Lichman **D. Kotzias**, P. Smyth
Personalized Location Models with Adaptive Mixtures SIGSPATIAL

2015	D. Kotzias , M. Denil, N. De Freitas, P. Smyth <i>From Group to Instance Labels, Using Deep Features</i>	KDD
2014	D. Kotzias , M. Denil, P. Blunsom, N. De Freitas <i>Deep Multi-Instance Transfer Learning</i> , Deep Learning Workshop	NIPS
2014	D. Kotzias , T. Lappas, D. Gunopulos <i>Addressing the Sparsity of Location Information on Twitter.</i>	EDBT
2014	D. Kotsakos, T. Lappas, D. Kotzias , N. Kanhabua, D. Gunopulos, K. Norvag. <i>A Burstiness-aware Approach for Document Dating.</i>	SIGIR

Research Experience

Jan 2013 –Sept. 2013	Research Associate , Insight ICT Research Project , <i>University of Athens</i> . I was a researcher working on social network analysis, in an attempt to identify more Twitter users from a specific location; utilizing both the content of posts and information from social graph.
Sept. 2010–Jun. 2012	Research Assistant , <i>at the KDD-Lab</i> , Prof. Dimitrios Gunopulos . We worked on Web and Text Mining towards the utilization of Burstyness information for text. Specifically we worked towards identifying bursts in word frequencies with an online algorithm, in order to date a text based on its burstyness information.
Oct. 2010 – June 2011	Game Theory research Group Member , r4u , advised by Professor Elias Koutsoupas . We studied open problems in Mechanism Design, related to competitive auctions. Specifically, we were dealing with the “digital goods” auction where we worked towards finding a low-constant competitive online algorithm.

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 bittorrent client, using C
Object Oriented Programming	Developed a complete Text Editor simulating emacs, using swing, in Java
Programming Languages	Design and Implementation of a datalog interpreter

Informatics skills

Programming Languages	Python, Java, C/C++, Matlab, R, bash	OS	Mac OS X, Linux/Unix, Windows
Web Development	HTML, PHP, iWeb, Jekyll™	Applications	Weka, Mallet (Data Mining Software), Lucene, OpenGL (Graphics), MPI (Parallel Programming), L ^A T _E X

Languages

Greek	Native	
English	Fluent	<i>CPE in 2006, TOEFL iBT 117/120</i>
German	Conversational	<i>Zertifikat Deutsch 2005</i>

Interests

Competitive Debating	I took part in many debating tournaments, earning distinctions in some of them. Tournaments include Leiden Open 2007, Prague Open 2008, Cambridge IV 2009, WUDC 2009, Vienna IV 2011, Paris Open 2012, Oxford IV 2013. Member of the Oxford Union
Other	Basketball, Wind Surfing, Wake-Boarding, Spear-fishing, Cinema