Dimitrios Kotzias

Curriculum Vitae

7428 Palo Verde Road
Irvine, CA, 92617
✉ *dkotzias@ics.uci.edu*
🛈 *http://dkotzias.com*

Education

2014–present	**Philosophy Doctorate in Computer Science**, *University of California Irvine*.
Concentration	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

June 2017–Sept 2017	**SWE Intern in Google Research**, *Google*, Worked with an NLP research team at Google on sentiment analysis. Implemented state of the art models for identifying the sentiment of entities from a document star rating.
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.

Selected Publications

2018	**D. Kotzias**, M. Lichman, P. Smyth *Predicting Consumption Patterns with Repeated and Novel Events*	TKDE
2016	M. Lichman, **D. Kotzias**, P. Smyth *Personalized location models with adaptive mixtures*	SIGSPATIAL
2015	**D. Kotzias**, M. Denil, N. De Freitas, P. Smyth *From Group to Instance Labels, Using Deep Features*	KDD
2014	**D. Kotzias**, M. Denil, P. Blunsom, N. De Freitas *Deep Multi-Instance Transfer Learning*, Deep Learning Workshop	NIPS

Awards

June 2018	**Gerontelis Scholarship**, I was awarded a scholarship from the Gerontelis Fountation.
January 2016	**Yelp Dataset Challenge Winner**, *Yelp*, Our work presented in KDD 2015 won the Yelp Dataset Challenge.
August 2015	**SIGKDD Student Travel Award**, Won a student travel award in order to present my work in KDD 2015.

Research Experience

Sept 2014 –Present	**Graduate Student Researcher**, *Datalab*, University of California Irvine.
	My research focuses on Machine Learning, and more particular Language Modeling, User Modelling and Recommender Systems. Some models I have worked on include Deep Networks (RNN's, CNN's) Mixture Models, Bayesian Methods, Matrix Factorization, Multi-Instance Learning, Social Network Analysis and Spatial Prediction and Recommender Systems.
Jan 2013 –Sept. 2013	**Research Associate**, Insight ICT Research Project, *University of Athens*.
	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**, *at the KDD-Lab*, 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 Koutsoupias.
	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.

Informatics skills

Programming Languages	Python, Java, Matlab, C/C++, R, bash	OS	Mac OS X, Linux/Unix, Windows
Applications	Keras, Tensorflow, Weka, Mallet, Lucene LaTeX	Web Dev.	HTML, PHP, iWeb, Jekyll™

Languages

Greek	Native	
English	Bilingual	*CPE in 2006, TOEFL iBT 117/120*
German	Conversational	*Zertifikat Deutsch 2005*

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	Snowboarding, Wake-Boarding, Basketball, Wind Surfing, Spear-fishing, Cinema