

# Charalampos Mavroforakis

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## Education

**Ph.D. in Computer Science, Boston University** Sept.2011 - Present  
Advisor: Prof. Evimaria Terzi

**B.Sc. in Computer Science, Athens University of Economics and Business, Greece** Sept. 2005 – Jan. 2010  
GPA: 9.09/10 (class of 2010 valedictorian, ranked 9<sup>th</sup> overall in Department's history)

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## Interests

Graph Mining, Algorithms on Big Data, Machine Learning, Database Security

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## Publications

Modeling the Dynamics of Learning Activity on the Web WWW 2017  
C. Mavroforakis, I. Valera, and M. Gomez Rodriguez

Active Positive-Definite Matrix Completion SDM 2017  
C. Mavroforakis, D. Erdos, M. Crovella and E. Terzi

Hierarchical Dirichlet Hawkes Process for Modeling the Dynamics of Online Learning Activity Networks in the Social and Information Sciences, NIPS 2015  
C. Mavroforakis, I. Valera, and M. Gomez Rodriguez

Absorbing Random-Walk Centrality: Theory and Algorithms ICDM 2015  
C. Mavroforakis, M. Mathioudakis, and A. Gionis

Modular Order-Preserving Encryption, Revisited SIGMOD 2015  
C. Mavroforakis, N. Chenette, A. O' Neill, G. Kollios, and R. Canetti

Spanning Edge Centrality: Large-scale Computation and Applications WWW 2015  
C. Mavroforakis, R. Garcia-Lebron, I. Koutis, and E. Terzi

Improving Co-Cluster Quality with Application to Product Recommendations CIKM 2014  
M. Vlachos, F. Fusco, C. Mavroforakis, A. Kyrillidis, and V. Vassiliadis

Complex Support Vector Machines for Regression and Quaternary Classification P. Bouboulis, S. Theodoridis, C. Mavroforakis, and L. Dalla	TNNLS 2013
Complex Support Vector Regression P. Bouboulis, S. Theodoridis, and C. Mavroforakis	CIP 2012

### Awards

ACM SIGKDD Student Travel Award	2016
IEEE ICDM Student Travel Award	2015
ACM SIGMOD Student Travel Award	2015
Boston University Computer Science Teaching Fellow Award	2014
Eleni Gatzoyiannis Scholarship	2012-15
Outstanding Academic Performance Scholarship, Gerondelis Foundation	2012
Class Valedictorian 2010, Department of Computer Science, Athens University of Economics and Business	2010

### Teaching Experience

Tools and Techniques for Data Mining and Applications, taught by Prof. Evimaria Terzi (received the departmental Teaching Fellow award)	Spring 2015
CS101 - Introduction to Computers, taught by John Magee	Summer 2013
CS565 - Data Mining, taught by Prof. Evimaria Terzi	Fall 2012, 2013
IS889 - Telecommunications & Business Networks, taught by Prof. Chrysanthos Dellarocas	Summer 2012
CS105 - Introduction to Databases and Data Mining, taught by David Sullivan	Fall 2011, Spring 2013

### Summer Internships

Electronic Arts, Redwood City, CA Worked with the Data Science team in EA Digital Platform on anomaly detection in timeseries data.	Summer 2016
Max Planck Institute for Software Systems, Germany Collaborated with Manuel Gomez Rodriguez and his group on modeling the learning patterns of users in online Q&A platforms.	Summer 2015
Aalto University, Finland Worked together with Prof. Aristides Gionis and his group towards a new centrality measure for groups of nodes in a graph.	Summer 2014

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## Technical Skills

Python, C, C++, Java, Matlab, Hadoop, PHP, SQL, LaTeX, Git  
Linux administration, Red Hat Linux certifications (RH131 – Red Hat Linux System Administration, RH142 – Linux Troubleshooting Techniques and Tools)

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## Languages

Greek (Native), English (Fluent), German (Mittelstufe level)