

# Georgios Papachristoudis

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<b>Contact Information</b>	100 Memorial Drive Cambridge, MA 02142	e-mail: geopapa@mit.edu phone: 617 710 8065 homepage: geopapa.mit.edu
<b>Research Interests</b>	Machine Learning, Pattern Recognition, Information Theory, Optimization, Statistics	
<b>Professional Experience</b>	<b>eBay Research Labs</b> , San Jose, CA Research Scientist:	June 2013 – August 2013
	<ul style="list-style-type: none"><li>□ Developed approximate algorithms for faster classification of big data.</li><li>□ Worked into generating new features for more accurate searches.</li></ul>	
	<b>Foundation for Biomedical Research of the Acad. of Athens</b> , Greece Data Analyst:	May 2006 – April 2007
	<ul style="list-style-type: none"><li>□ Developed a tool to automatically determine proteins' annotated GO terms and group them into broader categories according to their semantic hierarchy relationships inside the Gene Ontology.</li></ul>	
<b>Education</b>	<b>Massachusetts Institute of Technology</b> , Electrical Engineering and Computer Science, Cambridge, MA Doctor of Philosophy Cumulative GPA: 4.7/5.0	January 2011 – present Expected: June 2015
	<ul style="list-style-type: none"><li>□ Thesis: "Theoretical Guarantees on Penalized Information Planning" (Advisor: Dr. John W. Fisher III)</li></ul>	
	Master of Science	May 2008 – September 2010
	<ul style="list-style-type: none"><li>□ Thesis: "Spatial and Temporal Coupling Models for the Discovery of Binding Events in ChIP-Seq Data" (Advisor: Prof. David K. Gifford)</li></ul>	
	<b>Aristotle University of Thessaloniki</b> (AUTH), Electrical and Computer Engineering, Thessaloniki, Greece 5-year Bachelor of Engineering	October 2001 – July 2007
	GPA: 9.3/10.0 (top 3 in class)	
	<ul style="list-style-type: none"><li>□ Thesis: "Exploiting semantic knowledge from the Gene Ontology to improve classification accuracy in microarray data" (Advisor: Prof. Pericles A. Mitkas)</li></ul>	
<b>Honors and Awards</b>	Alexander S. Onassis Scholarship for graduate students of Greek origin (2008–2012) Paris Kanellakis Fellowship for graduate students of Greek origin at the EECS dept at MIT (2007–2008) Merit Scholarships by the Greek State Scholarship's Foundation (IKY) to the top three students in class (2001–2004) Awards of academic distinction by the Technical Chamber of Greece to the most distinguished students among all the Greek Engineering Schools (2001–2004) Papamichailidis Thomas Fellowship for the distinguished students of Elec and Comp Eng (2005–2007) Third place in National Mathematical contest organized by the Greek Mathematical Society (1998–1999)	
<b>Selected Publications</b>	<b>G. Papachristoudis</b> and J. W. Fisher III. On the Complexity of Information Planning in Gaussian Models. <i>In Proceedings of the 40th IEEE ICASSP</i> , Brisbane, Australia, Apr 2015. <b>G. Papachristoudis</b> and J. W. Fisher III. Theoretical Guarantees on Penalized Information Gathering. <i>In Proceedings of the IEEE Statistical Signal Processing Workshop</i> , Ann Arbor, MI, Aug 2012. Y. Guo, <b>G. Papachristoudis</b> , R. Altshuler et al. Discovering homotypic binding events at high spatial resolution. <i>Bioinformatics</i> 26(24), 2010, p. 3028–3034. <b>G. Papachristoudis</b> , S. Diplaris, P. A. Mitkas. SoFoCles: Feature filtering for microarray classification based on Gene Ontology. <i>Journal of Biomedical Informatics</i> . 43(1), Feb 2010, 1–14. M. G. Roubelakis, P. Zotos, <b>G. Papachristoudis</b> et al. Human microRNA target analysis and gene ontology clustering by GOMir, a novel stand-alone application. <i>BMC Bioinformatics</i> 10(S-6), 2009. P. Zotos, <b>G. Papachristoudis</b> , M. G. Roubelakis et al. GOMir: A stand-alone application for human microRNA target analysis and gene ontology clustering. <i>BIBE 2008</i> , 1–6.	
<b>Programming</b>	Experienced in Java, Matlab, $\LaTeX$ , C++ / Intermediate in C, SQL, Html / Beginner in R, Python	
<b>Additional Information</b>	Treasurer of the Hellenic Students' Association (HSA), MIT (2009–2010, 2011–2012, 2014–2015) Treasurer of the IEEE Student Branch, AUTH, Thessaloniki, Greece (2005–2006) Fluent in English, Greek Coach and captain of basketball teams, literature, poetry, acting, basketball, soccer, swimming	