

Georgios Papachristoudis

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Professional Experience

- Oct 2015 – Present **Goldman Sachs**, Associate / Vice President New York, NY
- Designed algorithm to predict liquidity in the US corporate bond market.
 - Developed a recommendation system to suggest financial products to clients.
 - Used clustering to better understand clients' behavior based on their interaction with the business.
 - Designed the Data Science competition for the Global Associates training program of summer 2017.
 - Member of the winning team of the 2016 Mortara award for innovation and impact.
- Jun – Aug 2013 **eBay Research Labs**, Research Scientist San Jose, CA
- Developed approximate algorithms for faster classification of big data.
 - Generated features for improved accuracy in product searches.
- May 2006 – Apr 2007 **Biomedical Research Foundation Academy Of Athens**, Research Scientist Athens, Greece
- Developed a tool to automatically determine proteins' annotated GO terms.

Education

- 2011 – 2015 **Massachusetts Institute of Technology**, EECS, PhD, GPA: 4.7/5.0
Thesis: "Theoretical Guarantees and Complexity Reduction in Information Planning"
- 2008 – 2010 **Massachusetts Institute of Technology**, EECS, Master of Science
Thesis: "Spatial and Temporal Coupling Models for the Discovery of Binding Events in ChIP-Seq Data"
- 2001 – 2007 **Aristotle University of Thessaloniki**, ECE, 5-year Bachelor of Engineering, GPA: 9.3/10, top 3 in class

Selected Publications

- 2015 Adaptive Belief Propagation. *In Proceedings of the 32nd International Conference on Machine Learning.*
- 2015 On the Complexity of Information Planning in Gaussian Models. *In Proceedings of the 40th IEEE ICASSP.*
- 2010 Discovering homotypic binding events at high spatial resolution. *Bioinformatics.*
- 2009 Human microRNA target analysis and gene ontology clustering by GOMir, a novel stand-alone application. *BMC Bioinformatics.*

Areas of Interest

Machine Learning, Pattern Recognition, Optimization, Statistics

Programming

(Experienced) Java, Python, Matlab, R, $\text{\LaTeX} 2_{\epsilon}$ / (Intermediate) SQL / (Basic) C++, C, Html

Honors and Awards

- 2008 – 2012 Alexander S. Onassis Scholarship for graduate students of Greek origin.
- 2007 – 2008 Paris Kanellakis Fellowship for MIT graduate students of Greek origin.
- 2001 – 2004 Merit Scholarships by the Greek Scholarship's Foundation (top 3 in class).
- 2001 – 2004 Awards of academic distinction by the Technical Chamber of Greece.
- 2005 – 2007 Papamichailidis Thomas Fellowship for the distinguished students of ECE.

Personal

Treasurer of the Hellenic Students' Association (HSA) at MIT (2009 – 2010, 2011 – 2012, 2014 – 2015).
Fluent in English, Greek / basketball, math volunteering, literature, acting, soccer, swimming.