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	GitHub	papachristoumarios
	Office	302 Gates Hall, Cornell University
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INTERESTS	<i>Areas:</i> Social and Information Networks, Machine Learning, Data Mining, Algorithms <i>Foci:</i> Statistical Modeling of Networks, Financial Networks, Graph ML	
EDUCATION	Cornell University	2020 – exp. 2026
	Ph.D. in Computer Science (<i>GPA: 4.0/4.0</i>), Minor: <i>Applied Math</i>	
	– <i>Advisor:</i> Jon Kleinberg, <i>Committee:</i> Jon Kleinberg, Emma Pierson, Sid Banerjee	
	– <i>Relevant Coursework:</i> Analysis of Algorithms, Information Networks, Numerical Methods for Data Science, Design of Online Marketplaces, ML Theory	
	M.S. in Computer Science, Minor: <i>Applied Math (GPA: 4.0/4.0)</i> 2020–2022	
PUBLICATIONS	National Technical University of Athens	2015–2020
	Diploma in ECE (<i>GPA: 9.49/10.00</i>). Major: <i>Computer Science</i> .	
	– <i>Thesis:</i> “Stochastic Opinion Dynamics for Interest Prediction in Online Social Networks”. <i>Advisor:</i> Dimitris Fotakis.	
	1. Papachristou, Marios , Banerjee, Sid, and Kleinberg, Jon. “Dynamic Interventions for Networked Contagions”. <i>EAAMO 2022 (poster)</i> . [preprint] [code] [poster]	
	2. Papachristou, Marios , and Kleinberg, Jon. “Core-periphery Models for Hypergraphs”. <i>KDD 2022</i> . [paper] [code] [data] [slides] [poster]	
RESEARCH EXPERIENCE	3. Papachristou, Marios , and Kleinberg, Jon. “Allocating Stimulus Checks in Times of Crisis”. <i>WWW 2022</i> . [preprint] [code] [paper] [talk] [slides]	
	4. Papachristou, Marios . “Sublinear Domination and Core-periphery Networks”. <i>Scientific Reports (Nature)</i> , 2021. [paper] [code]	
	5. ^{$\alpha\beta$} Chalkis, Apostolos, Fisikopoulos Vissarion, Papachristou, Marios , and Tsigaridas, Elias. “Truncated Log-concave Sampling with Reflective Hamiltonian Monte Carlo”. <i>Preprint</i> , 2021. [preprint] [code]	
	6. Papachristou, Marios , and Fotakis, Dimitris. “Stochastic Opinion Dynamics for User Interest Prediction in Online Social Networks”. <i>Preprint</i> , 2020. [preprint]	
	7. Papachristou, Marios . “Software clusterings with vector semantics and the call graph”. <i>ESEC/FSE 2019</i> . [paper] [code] [data] (<i>ESEC/FSE Student Research Competition Finalist Paper</i>)	
RESEARCH EXPERIENCE	8. Kostakis, Vasilis*, and Papachristou, Marios* . “Commons-based peer production and digital fabrication: The case of a RepRap-based, Lego-built 3D printing-milling machine”. <i>Telematics and Informatics</i> , 2014. [paper]	
	Twitter Cortex (Research Internship) May 2022 – August 2022 – Research on scalable Graph Machine Learning.	

$\alpha\beta$ = alphabetical order, * = equal contribution

	Cornell University (Graduate Research Assistant)	<i>May 2021 –</i>
	GeomScale Organization	<i>May 2020 –</i>
	– Part-time research on sampling from truncated log-concave densities, and convex optimization, working on the volesti open-source package.	
	Business Analytics Lab (Undergraduate Researcher)	<i>2018 – 2020</i>
	– <i>Project: SADE.</i> Architecture recovery via call graphs, source code embeddings, and clustering methods.	
	Hellenic Center for Marine Research	<i>June 2014 – August 2014</i>
	P2P Lab (Remote Research Associate)	<i>2013–2014</i>
PROFESSIONAL EXPERIENCE	Google Summer of Code 2020 (GeomScale)	<i>June 2020– August 2020</i>
	– <i>Project: Sampling from high-dimensional truncated log-concave densities.</i> [code] [talk1] [talk2]	
	Google Summer of Code 2018 (GFOSS-OTA)	<i>April 2018–September 2018</i>
	– <i>Project: 3gm.</i> Automated codification of Greek Legislation. [code] [data] [talk]	
	Ratle (Co-founder)	<i>October 2017–October 2018</i>
TEACHING	Undergraduate Teaching Assistant (NTUA)	
	– Discrete Mathematics (4th Semester)	<i>Spring 2017</i>
	– Programming Techniques (2nd Semester)	<i>Spring 2016</i>
	– Introduction to Computer Programming (1st Semester)	<i>Fall 2016, Fall 2017</i>
HONORS & AWARDS	– LinkedIn Ph.D. Fellowship	<i>2022</i>
	– A.G. Leventis Scholarship	<i>2022</i>
	– Chateaubriand Fellowship (<i>declined</i>)	<i>2022</i>
	– Cornell Fellowship	<i>2020</i>
	– Thomaidion Award	<i>2019</i>
	– ESEC/FSE 2019 ACM Student Research Competition Finalist	<i>2019</i>
	– 4th (out of 93) in International Space Engineering Competition (CanSat)	<i>2019</i>
	– 2nd Award at the “ <i>be finnovative 2.0 accelerator</i> ”	<i>2018</i>
	– 1st Award at “ <i>Crowdhackathon Fintech #2</i> ”	<i>2017</i>
	– Top %1 worldwide in IEEEExtreme 11.0 Programming Competition	<i>2017</i>
	– Touramanoglu Scholarship	<i>2015</i>
	– “The Great Moment of Education” Scholarship	<i>2015</i>
SERVICE	– <i>Program Committee.</i> FAccT ‘22	
	– <i>Reviewer.</i> GLFrontiers@NeurIPS ‘22 , JOSS , WHMD@NeurIPS ‘21 , OR Spectrum	
	– <i>Mentor.</i> Google Summer of Code Mentor	
	◦ GeomScale organization	<i>2021, 2022</i>
	◦ GFOSS-OTA	<i>2019</i>