

Giannis Fikioris

Updated October 17, 2022

Email: gfikioris@cs.cornell.edu

Phone: +1 (512) 565-9581

giannisfikioris.org

Citizenship: Greek, American

Research interests Theoretical Computer Science, Algorithmic Game Theory, Learning Theory

Education **Cornell University** Ithaca, NY, USA
PhD in Computer Science Aug. 2020 – Present
Advisor: Éva Tardos
GPA: 4.11

National Technical University of Athens Athens, Greece
Bsc in Electrical and Computer Engineering Sep. 2014 – Sep. 2019
Advisor: Dimitris Fotakis
GPA: 9.74/10 – 2nd among 298 graduates of 2019

Publications **Liquid Welfare guarantees for No-Regret Learning in Sequential Budgeted Auctions**
Giannis Fikioris, Éva Tardos.
arXiv pre-print.

Incentives in Dominant Resource Fair Allocation under Dynamic Demands
Giannis Fikioris, Rachit Agarwal, Éva Tardos.
arXiv pre-print.

A subsemigroup of the rook monoid
George Fikioris, Giannis Fikioris.
Semigroup Forum (accepted in 2022).

Optimizing Vessel Trajectory Compression for Maritime Situational Awareness
Giannis Fikioris, Kostas Patroumpas, Alexander Artikis, George Paliouras, Manos Pitsikalis.
GeoInformatica (accepted in 2022).

Mechanism Design for Perturbation Stable Combinatorial Auctions
Giannis Fikioris, Dimitris Fotakis.
Symposium on Algorithmic Game Theory (SAGT) 2020,
Theory of Computing Systems.

Fine-Tuned Compressed Representations of Vessel Trajectories
Giannis Fikioris, Kostas Patroumpas, Alexander Artikis, George Paliouras, Manos Pitsikalis.
ACM International Conference on Information and Knowledge Management (CIKM) 2020.

Optimizing Vessel Trajectory Compression
Giannis Fikioris, Kostas Patroumpas, Alexander Artikis.
Maritime Big Data Workshop (MBDW) 2020.

Teaching experience	Cornell University	Ithaca, NY, USA
	Teaching Assistant, CS 4820 <i>Introduction to Analysis of Algorithms</i>	Fall 2020
	Instructor: Dexter Kozen	
	Cornell University	Ithaca, NY, USA
	Teaching Assistant, CS 3110 <i>Data Structures and Functional Programming</i>	Spring 2021
	Instructor: Michael Clarkson	
	National Technical University of Athens	Athens, Greece
	Teaching Assistant, <i>Algorithms and Complexity</i>	Fall 2019
	Instructor: Dimitris Fotakis	
Work experience	National Centre for Scientific Research “Demokritos”	Athens, Greece
	Position: Research Associate	Aug. 2019 – Jul. 2020
	Advised by Alexander Artikis, <i>Complex Event Recognition Group</i>	
Awards	NDSEG Fellowship , Cornell University	2022
	Offers full tuition and a monthly stipend for three years.	
	NSF GRFP Fellowship , Cornell University	2022
	Offers partial tuition and a monthly stipend for three years.	
	Gerondelis Fellowship , Cornell University	2021
	Papakyriakopoulos Award , National Technical University of Athens	2015
Service and outreach	For highest grade in Mathematics-related courses in the 1 st and 2 nd semesters	
	Kritikos Grant , National Technical University of Athens	2015
	For highest grade in Mathematics-related courses during the 1 st academic year	
	Cornell University	Spring 2021
	Expanding Your Horizons at Cornell – nationwide program that encourages middle schoolers to pursue careers in science and math.	
	Cornell University	Fall 2021 and 2022
Skills	ACSU Computer Science Research Night – presented my research to undergraduate students, aimed to encourage them to participate in CS research.	
	Cornell University	Summer 2021
	Computer Science Undergraduate Research Program – worked with an undergraduate female student and professor Éva Tardos on a problem about information cascade in graphs.	
	Programming	
	C/C++, Python, Java, Haskell, OCaml, Prolog	
	Λ ^T E _X , Matlab, Mathematica	
	Languages	
	English (fluent), Greek (native), German (intermediate)	