

Giannis Fikioris

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giannisfikioris.github.io

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 **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 *Introduction to Analysis of Algorithms* Fall 2020
Instructor: Dexter Kozen

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