

Giannis Fikioris

Updated March 10, 2023

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Research Theoretical Computer Science, Algorithmic Game Theory, Learning Theory
Interests Mechanism Design, No-regret Learning

Education **Cornell University**  AUG. 2020 – PRESENT
Ph.D. in Computer Science Ithaca, NY, USA
Advised by: *Éva Tardos*
GPA: 4.11

National Technical University of Athens  SEP. 2014 – SEP. 2019
Bsc in Electrical and Computer Engineering Athens, Greece
Advised by: *Dimitris Fotakis*
GPA: 9.74/10 – 2nd out of 298 graduates in 2019

Publications **Approximately Stationary Bandits with Knapsacks**

arXiv pre-print.

Giannis Fikioris, Éva Tardos.

Robust Pseudo-Markets for Reusable Public Resources

arXiv pre-print.

Siddhartha Banerjee, Giannis Fikioris, Éva Tardos.

An extension to “A subsemigroup of the rook monoid”

arXiv pre-print.

George Fikioris, Giannis Fikioris.

Liquid Welfare guarantees for No-Regret Learning in Sequential Budgeted Auctions

arXiv pre-print.

Giannis Fikioris, Éva Tardos.

Incentives in Dominant Resource Fair Allocation under Dynamic Demands

arXiv pre-print.

Giannis Fikioris, Rachit Agarwal, Éva Tardos.

A subsemigroup of the rook monoid

Semigroup Forum (accepted in 2022).

George Fikioris, Giannis Fikioris.

Optimizing Vessel Trajectory Compression for Maritime Situational Awareness

GeoInformatica (accepted in 2022).

Giannis Fikioris, Kostas Patroumpas, Alexander Artikis, George Paliouras, Manos Pitsikalis.

Mechanism Design for Perturbation Stable Combinatorial Auctions

Symposium on Algorithmic Game Theory (SAGT) 2020,

Theory of Computing Systems.

Giannis Fikioris, Dimitris Fotakis.

Fine-Tuned Compressed Representations of Vessel Trajectories

ACM International Conference on Information and Knowledge Management (CIKM) 2020.

Giannis Fikioris, Kostas Patroumpas, Alexander Artikis, George Paliouras, Manos Pitsikalis.

Optimizing Vessel Trajectory Compression

Maritime Big Data Workshop (MBDW) 2020.

Giannis Fikioris, Kostas Patroumpas, Alexander Artikis.

Teaching experience	Cornell University FALL 2020 Teaching Assistant, CS 4820 <i>Introduction to Analysis of Algorithms</i> Instructor: <i>Dexter Kozen</i> Ithaca, NY, USA
	Cornell University SPRING 2021 Teaching Assistant, CS 3110 <i>Data Structures and Functional Programming</i> Instructor: <i>Michael Clarkson</i> Ithaca, NY, USA
	National Technical University of Athens FALL 2019 Teaching Assistant, <i>Algorithms and Complexity</i> Instructor: <i>Dimitris Fotakis</i> Athens, Greece
Work Experience	National Centre for Scientific Research “Demokritos”  Position: Research Associate AUG. 2019 – JUL. 2020 Advised by Alexander Artikis, <i>Complex Event Recognition Group</i> Athens, Greece
Awards	NDSEG Fellowship , <i>Cornell University</i> SEP. 2022 – AUG. 2025 Offers full tuition and a monthly stipend for three years.
	NSF GRFP Fellowship , <i>Cornell University</i> 2022 Offers partial tuition and a monthly stipend for three years.
	Gerondelis Fellowship , <i>Cornell University</i> 2021
	Papakyriakopoulos Award , <i>National Technical University of Athens</i> 2015 For highest grade in Mathematics-related courses in the 1 st and 2 nd semesters
	Kritikos Grant , <i>National Technical University of Athens</i> 2015 For highest grade in Mathematics-related courses during the 1 st academic year
	Competitive Programming 2017 – 2019 1 st and 2 nd places in Greece: IEEEExtreme 11.0 & 12.0, Google Hash Code 2018, ACM/ICPC SEERC 2019
	National Mathematical Competition , Hellenic Mathematical Society 2009 – 2014 Various distinctions and medals
Service and outreach	Cornell University FALL 2022 Helping URM Applicants with Graduate School Applications.
	Cornell University SPRING 2022 Expanding Your Horizons at Cornell – nationwide program that encourages middle schoolers to pursue careers in science and math.
	Cornell University FALL 2021 AND 2022 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.
Skills	Programming C/C++, Python, Java, Haskell, OCaml, Prolog L ^A T _E X, Matlab, Mathematica
	Languages English (fluent), Greek (native), German (intermediate)