

Giannis Fikioris

Updated November 17, 2021

Email: gfikioris@cs.cornell.edu

Phone: +1 (512) 565-9581

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 Resource Allocation under Dynamic Demands**
Giannis Fikioris, Rachit Agarwal, Éva Tardos.
arXiv pre-print.

A subsemigroup of the rook monoid
George Fikioris, Giannis Fikioris.
arXiv pre-print.

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

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 Ithaca, NY, USA
Teaching Assistant, CS 3110 *Data Structures and Functional Programming* Spring 2021
Instructor: Michael Clarkson

National Technical University of Athens Athens, Greece
Teaching Assistant, *Data Structures and Functional Programming* Spring 2021
Instructor: Dimitris Fotakis

Work experience **National Centre for Scientific Research “Demokritos”** Athens, Greece
Position: Research Associate Aug. 2019 – Jul. 2020
Advised by Alexander Artikis, *Complex Event Recognition Group*

Service and outreach **Cornell University** Nov. 2021
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.

Awards **Gerondelis Fellowship**, Cornell University 2021
Papakyriakopoulos Award, National Technical University of Athens 2015
For highest grade in Mathematics-related courses in the 1st and 2nd semesters
National Mathematical Competition, Hellenic Mathematical Society 2009 – 2014
Various distinctions and medals
Competitive Programming 2017 – 2019
1st and 2nd places in Greece: IEEEExtreme 11.0 & 12.0, Google Hash Code 2018, ACM/ICPC SEERC 2019

Skills **Programming**
C/C++, Python, Java, Haskell, OCaml, Prolog
L^AT_EX, Matlab, Mathematica
Languages
English (fluent), Greek (native), German (intermediate)