Giannis Fikioris

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 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.
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, *Algorithms and Complexity*   Fall 2019

Instructor: Dimitris Fotakis

National Centre for Scientific Research "Demokritos"   Athens, Greece

Position: Research Associate   Aug. 2019 – Jul. 2020

Advised by Alexander Artikis, *Complex Event Recognition Group*

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

For highest grade in Mathematics-related courses in the 1st and 2nd semesters

Kritikos Grant, National Technical University of Athens   2015

For highest grade in Mathematics-related courses during the 1st academic year

Cornell University   Nov. 2021

Expanding Your Horizons at Cornell – nationwide program that encourages middle schoolers to pursue careers in science and math.

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.

Programming

C/C++, Python, Java, Haskell, OCaml, Prolog

LaTeX, Matlab, Mathematica

Languages

English (fluent), Greek (native), German (intermediate)