

# Giannis Fikioris

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[giannisfikioris.github.io](https://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 – 2<sup>nd</sup> 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**Teaching Assistant, *Data Structures and Functional Programming*

Instructor: Dimitris Fotakis

Athens, Greece

Spring 2021

**Work experience****National Centre for Scientific Research “Demokritos”**

Position: Research Associate

Advised by Alexander Artikis, *Complex Event Recognition Group*

Athens, Greece

Aug. 2019 – Jul. 2020

**Service and outreach****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

**Honors and  
scholarships****Papakyriakopoulos Award**, National Technical University of AthensFor highest grade in Mathematics-related courses in the 1<sup>st</sup> and 2<sup>nd</sup> semesters

2015

**National Mathematical Competition**, Hellenic Mathematical Society

Various distinctions and medals

2009 – 2014

**Competitive Programming**1<sup>st</sup> and 2<sup>nd</sup> places in Greece: IEEEExtreme 11.0 & 12.0, Google Hash Code 2018, ACM/ICPC SEERC 2019

2017 – 2019

**Skills****Programming**

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

L<sup>A</sup>T<sub>E</sub>X, Matlab, Mathematica**Languages**

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