Christodoulos G. Santorinaios

PERSONAL INFORMATION	*E-mail:* santgchr@gmail.com / santgchr@aueb.gr *Phone:* (+30) 6987650672
RESEARCH INTERESTS	Algorithmic Game Theory, Fair Division, Machine Learning, Optimization Theory

EDUCATION

Athens University of Economics and Business, Athens, Greece
Department of Informatics

PhD Canditate in Computer Science   2022 - present
- Advisor: Evangelos Markakis

National Technical University of Athens, Athens, Greece
School of Electrical and Computer Engineering

MSc in Data Science and Machine Learning   2020 - 2022
- Thesis: On finding EFX allocations:
    conditional approximations and tiered rankings
- Advisor: Evangelos Markakis
- GPA: 9.50 / 10

Diploma in Electrical and Computer Engineering   2014 - 2020
- Thesis: Experimental evaluation of learning algorithms for truncated Gaussians
- Advisor: Dimitrios Fotakis
- GPA: 7.98 / 10
- Major: Computer Science, Minors: Mathematics, Networks

HONORS AND AWARDS

Archimedes PhD Fellowship, 4 year support	2023
National Instructor, coaching title by the International Chess Federation	2016
The Great Moment of Education, scholarship by Eurobank EFG for highest panhellenic exams score among the students of 5th Zografou High School	2014
Bronze Medal, National Mathematical Olympiad "Archimedes"	2014

PUBLICATIONS

On the Pursuit of EFX for Chores: Non-existence and Approximations
  with Vasilis Christoforidis
  33nd International Joint Conference on Artificial Intelligence   *IJCAI 2024*
Improved EFX approximation guarantees under ordinal-based assumptions
  with Vangelis Markakis
  22nd International Conference on Autonomous Agents and Multiagent Systems   *AAMAS 2023*

TEACHING EXPERIENCE

TA for courses
- AUEB INF259 "Introduction to Computer Programming"   Fall 2022,23,24
- AUEB INF161 "Algorithms"   Spring 2023,24,25

Talks

Budget-Feasible Mechanisms with Predictions
    19th Athens Colloquium on Algorithms and Complexity   *ACAC 2024*
On the Pursuit of EFX for Chores: Non-existence and Approximations
    33rd International Joint Conference on Artificial Intelligence   *IJCAI 2024*
Improved EFX approximation guarantees under ordinal-based assumptions
    18th Athens Colloquium on Algorithms and Complexity   *ACAC 2023*

Activities   19th Athens Colloquium on Algorithms and Complexity   2024
                Organization assistance and local arrangements
                Workshop on Online Algorithms, Learning and Games   2023
                Organization assistance and local arrangements
                Volunteer for the National Programming Competition   2021
                Presented problems and solutions during the training camp
                Volunteer chess coach   2015-19,22
                Trained around 50 people of all ages, beginner and post-beginner level

Techincal   **Programming Languages:** C/C++, Python, Java, Prolog, ML
Skills   **Web Development:** HTML, JavaScript

Hobbies   Basketball & movies