Konstantinos (Kostas) Stavropoulos

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Research Interests	Machine Learning, Theoretical Computer Science

Education	**University of Texas at Austin**	2021 –
	Ph.D. student, Computer Science	
	Advisor: Adam Klivans	
	National Technical University of Athens (NTUA)	2015 – 2020
	Diploma in Electrical & Computer Engineering (5–year joint degree)	
	GPA: 9.76/10 (First in cohort)	
	Thesis: Learning rankings from incomplete samples	
	Advisor: Dimitris Fotakis	

Awards and Fellowships	**Best paper award at Conference on Learning Theory (COLT)**	2024
	Bodossaki Foundation fellowship	09/2022 – 08/2025
	Leventis Foundation fellowship	09/2022 – 08/2025
	Gerondelis Foundation fellowship	2022
	Scholarship award from Hellenic Professional Society of Texas	2022
	Award of Excellence from State Scholarships Foundation	2020
	for graduating first in my cohort, within the nominal period of studies	
	Thomaideio Award from NTUA for highest GPA during a year	2019
	Award from Eurobank "The Great Moment for Education"	2015
	for graduating first in my high school	

Conference Publications (alphabetical author order)

11. Efficient Discrepancy Testing for Learning with Distribution Shift
with Gautam Chandrasekaran, Adam Klivans, Vasilis Kontonis, and Arsen Vasilyan
In the 38th Conference on Neural Information Processing Systems (NeurIPS 2024)

10. Tolerant Algorithms for Learning with Arbitrary Covariate Shift
with Surbhi Goel, Abhishek Shetty, and Arsen Vasilyan
In the 38th Conference on Neural Information Processing Systems (NeurIPS 2024)
Selected as Spotlight

**9. Learning Noisy Halfspaces with a Margin:
Massart is No Harder than Random**
with Gautam Chandrasekaran, Vasilis Kontonis, and Kevin Tian
In the 38th Conference on Neural Information Processing Systems (NeurIPS 2024)
Selected as Spotlight

**8. Learning Intersections of Halfspaces with Distribution Shift:
Improved Algorithms and SQ Lower Bounds**
with Adam Klivans and Arsen Vasilyan
Proceedings of the 37th Annual Conference on Learning Theory (COLT 2024)

7. Testable Learning with Distribution Shift
with Adam Klivans and Arsen Vasilyan
Proceedings of the 37th Annual Conference on Learning Theory (COLT 2024)

6. Smoothed Analysis for Learning Concepts with Low Intrinsic Dimension
with Gautam Chandrasekaran, Adam Klivans, Vasilis Kontonis, and Raghu Meka
Proceedings of the 37th Annual Conference on Learning Theory (COLT 2024)
Best Paper Award

5. An Efficient Tester-Learner for Halfspaces
with Aravind Gollakota, Adam Klivans, and Arsen Vasilyan
In the Twelfth International Conference on Learning Representations (ICLR 2024)

4. Tester-Learners for Halfspaces: Universal Algorithms
with Aravind Gollakota, Adam Klivans, and Arsen Vasilyan
In the 37th Conference on Neural Information Processing Systems (NeurIPS 2023)
Selected for Oral Presentation

3. Agnostically Learning Single-Index Models using Omnipredictors
with Aravind Gollakota, Parikshit Gopalan, and Adam Klivans
In the 37th Conference on Neural Information Processing Systems (NeurIPS 2023)

2. Learning and Covering Sums of Independent Random Variables with Unbounded Support
with Alkis Kalavasis and Manolis Zampetakis
In the 36th Conference on Neural Information Processing Systems (NeurIPS 2022)
Selected for Oral Presentation

1. Aggregating Incomplete and Noisy Rankings
with Dimitris Fotakis and Alkis Kalavasis
In the 24th Conference on Artificial Intelligence and Statistics (AISTATS 2021)

SERVICE AND TEACHING

Reviewer: ICLR 2024, ICML 2024, NeurIPS 2023

Teaching Assistant, New Horizons Summer School in TCS 06/2023

Teaching Assistant, UT Austin Spring 2023
Course: Principles of Machine Learning I: Honors (CS363H)
Instructor: Adam Klivans

Teaching Assistant, NTUA, Greece Fall 2020 – Spring 2021
Courses: Algorithms and Complexity, Discrete Mathematics
Instructor: Dimitris Fotakis

TALKS

Learning Intersections of Halfspaces with Distribution Shift: Improved Algorithms and SQ Lower Bounds
Conference on Learning Theory (COLT) 2024

Tester-Learners for Halfspaces: Universal Algorithms
Oral Presentation, NeurIPS 2023

Learning and Covering Sums of Independent Random Variables with Unbounded Support
Oral Presentation, NeurIPS 2022

LANGUAGES AND SKILLS

English (fluent), French (basic), Greek (native)
Python, LaTeX, C/C++