Makis Arsenis

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EDUCATION

Cornell University Ph.D. candidate in Computer Science, current GPA: 4.0 Advised by: Prof. <i>Robert Kleinberg</i>	Aug. 2017 – Aug. 2023 (expected) Ithaca, NY
National Technical University of Athens (<u>NTUA</u>) Integrated Masters in Electrical and Computer Engineering, Major in CS GPA: 9.18/10.00 (top 2%)	SEP. 2010 – June 2017 Athens, Greece
Experience	
Software Engineering Intern, Google	Summer 2022
Team : Spanner Google's Globally-Distributed DBMS	NYC, NY
Developed performance evaluation software in C++ to compare different colum on production data for Spanner's storage engine. Based on the results, I sugges the automated format-selection mechanism.	
Software Engineering Intern, Google	Summer 2021
Team: NAPA Data Analytics Back End	Remote, USA
Designed and implemented in C++ multiple columnar storage formats for NA Achieved memory usage reduction during OLAP queries without compromising	
Research Assistant, Cornell	2017 - Present
Broadly interested in Combinatorial and Stochastic aspects of Algorithm and M sign, focusing on <i>online optimization under uncertainty</i> and its applications in the of Economics and Computer Science.	
Teaching Assistant, Cornell	2017 - Present
CS 3110: Data Structures and Functional Programming — SPRING '23 CS 4820: Introduction to Analysis of Algorithms — FALL '17, SPRING '18, CS 6820: Analysis of Algorithms — FALL '21, FALL '22	Spring '22
Awards	
Silver Medal, 18 th Balkan Olympiad in Informatics (BOI)	Ост. 2010
Bronze Medal , 22 nd International Olympiad in Informatics (<u>IOI</u>)	Aug. 2010
Bronze Medal , 1^{st} Junior Balkan Olympiad in Informatics (<u>JBOI</u>)	July 2007
Course Projects	
Lipschitz-Bounded Neural Networks (report) CS 6780, Cornell Python, Implemented a novel Neural Network architecture and evaluated its performance $($	
Linux character device driver OS Lab, NTUA C, bash Coded up a Linux Kernel module parsing raw data from a device and channelin	Spring 2014 g them to character device files.
Compiler for Pazcal ^{\flat} (git repo) Compilers, NTUA C, flex, bison Written in C, for a C-like source language to x86_64 target architecture.	Spring 2013
Technical Skills	
Modern C++ 🞯 Python 📌 OCaml 塁 Haskell 🔭 SQL Bash LAT _E X	
Notable Publications	
"Individual Fairness in Prophet Inequalities", with Robert Kleinberg, <u>pdf</u> Extended abstract in the proceedings of the 23rd ACM Conference on Economia	cs and Computation (EC) 2022
"Constrained-Order Prophet Inequalities", with Odysseas Drosis and Robe In the proceedings of the ACM SIAM Sumposium on Discrete Algorithms (SOI	ert Kleinberg, <u><i>pdf</i></u>

In the proceedings of the ACM-SIAM Symposium on Discrete Algorithms (SODA) 2021

"Revenue Monotonicity under Misspecified Bidders", with Odysseas Drosis and Robert Kleinberg, <u>*pdf*</u> In the proceedings of the 16th Conference on Web and Internet Economics (WINE) 2020