Nikolaos Melissaris Papanikolaou

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Research Interests	Combinatorics, Graph Theory, Privacy preserving Machine Learning, and Secure Multiparty Computation
Education	**Rutgers University**
	MSc, Information Technology, 2021
	GPA: 3.97/4
	School of Applied Mathematics and Physical Sciences, National Technical University of Athens
	BSc and MSc, Applied Mathematics, 2015
	Majors: Computer Science, Statistics
Diploma Thesis	"The concrete security of practical cryptographic constructions", Advisor: Associate Professor Periklis Papakonstantinou, Rutgers University
	Survey on the security of cryptographic constructions in the information theoretic setting
	"Mathematical Attacks on RSA"
	Advisor: Assistant Professor Petros Stefaneas, NTUA
	Implementation of attacks on the RSA cryptosystem.
Research	**Capital Fund Management**, New York City
	Research Intern, Summer 2021
	MadHive Inc, New York City
	Research Assistant, Summer 2019
	Using cryptography to ensure integrity and detect fraud in AdTech technologies.
	Computer Security Lab, University of California at Santa Barbara
	Research Assistant, Summer 2015
	Advisors: Professors Christopher Kruegel and Giovanni Vigna.
	Armoring Android mobile devices against fake location signals.

Teaching	**MSIS Dept., Rutgers University** Teaching Assistant, Information Security, Fall 2020, Spring 2021 Instructor, Management Information Science, Summer 2020 Teaching Assistant, Business Data Management, Spring, 2018, Spring 2019 Teaching Assistant, Database Systems (Graduate), Fall 2018 Teaching Assistant, Fundamentals of Optimization (Graduate), 2017 Teaching Assistant, Statistics, 2017 **School of Professional Studies, Columbia University.** Instructor, Introduction to Programming with C, Summer 2017 **Mathematics Dept., NYC College of Technology** Instructor, Discrete Structures and Algorithms I, 2016 Instructor, Quantitative Reasoning, 2017 **Computer Science Dept., Brooklyn College** Instructor, Intro to Computer Applications, 2016 **Computer Science Dept., Borough of Manhattan Community College** Instructor, Principles in Information Science and Computing, 2016
Work Experience	**Linux System Administrator** *The Graduate Center, CUNY*, New York, 2015-2016 Supervisors: Gary Kettner, Lihua Wang Maintaining (patching, upgrading, monitoring, securing) all the Linux servers of the school, migrations to newer technologies, in addition to threat response. **Software Engineer** *Nessos Informatics*, Athens, 2014-2015 Supervisor: Pantelis Petrogiannakis Building web crawlers and scrapers to collect 15 years of basketball statistics from leagues around the world for the critically acclaimed game "World Basketball Manager".
Awards and Fellowships	**Summer Research Award** Rutgers University, 2020 **Summer Research Award** Rutgers University, 2018 **Four Year Teaching Assistantship** Rutgers University, 2017

Five Year Graduate Center Fellowship
The Graduate Center, CUNY, 2015

Languages and Skills	Greek (native), English (proficient), German (intermediate)
	Python, R, JavaScript, MATLAB, LaTeX, Mathematica

Publications

1. Pei Peng, Nikolas Melissaris, Emina Soljanin, Bill Lee, Anton Maliev, and Huafeng Fan. Straggling for covert message passing on complete graphs. In *57th Annual Allerton Conference on Communication, Control, and Computing, Allerton 2019, Monticello, IL, USA, September 24-27, 2019*, pages 453–459. IEEE, 2019