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College Park, Maryland
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Georgios Tsimos

PhD Student in Cryptography

Website
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EDUCATION

PhD in ELECTRICAL ENGINEERING

University of Maryland, College Park

Aug 2019- Present
Advisor: Professor [Charalampos Papamanthou](#)

Master's of Science in COMPUTER SCIENCE

Athens University of Economics and Business, Greece

Oct 2018- July 2019

9.44/10.0 (Honors)

Bachelor's (4-year Ptychion) in COMPUTER SCIENCE

Athens University of Economics and Business, Greece

Oct 2014 - Sept 2018

8.79/10.0 (Honors, Valedictorian)

RESEARCH EXPERIENCE

Research Intern in Distributed Systems

[MystenLabs](#)

May 2023- August 2023

Remote

Visiting Assistant Researcher in COMPUTER SCIENCE

Yale University

Dec 2022- Present

Visiting Researcher

CISPA Helmholtz Center for Information Security, Saarbrücken, Germany

Dec 2022

Graduate Research Assistant

Maryland Cybersecurity Center (MC2 Lab)

Aug. 2019 — Present

University of Maryland, College Park, MD

Undergraduate/Graduate Research Assistant

Advisor: Assistant Prof. Eugenie Foustoucos

Mar. 2017 — Jun. 2019

Athens University of Economics and Business, Greece

PUBLICATIONS

G. T. and A. Tsihidis and A. Sonnino and L. Kokoris-Kogias:

"[HammerHead: Leader Reputation for Dynamic Scheduling](#)"

New! While at MystenLabs
under submission

F. Elsheimy and G. T and C. Papamanthou:

"Deterministic Byzantine Agreement with Adaptive $O(n \cdot f)$ Communication"

New!

Accepted! SODA 2024

A. Alexandru and J. Loss and C. Papamanthou and G. T.:

"Sublinear-round Broadcast without trusted setup against dishonest majority"

under submission

G. T. and J. Loss and C. Papamanthou:

"Gossiping For Communication-Efficient Broadcast"

Accepted! CRYPTO 2022

HONORS AND AWARDS

DEAN'S FELLOWSHIP (\$15,000)

for the First Year of Ph.D.

Aug. 2019 — Jun. 2020

University of Maryland, College Park, MD

OUTSTANDING ACADEMIC PERFORMANCE SCHOLARSHIP (\$5,000)

June 2022

Gerondelis Foundation

AWARD IN MEMORY OF MICHALIS MITILINAIOS

for Top Performance in selected TCS courses

2016- 2017

AUEB, Greece

SKILLS

Communication: English (fluent speaker) , Greek (native) , Spanish (basic communication)

VOLUNTARY ACTIVITIES AND SERVICE TO THE COMMUNITY

External Subreviewer for AFT'23, CCS'23, PKC'23, FINANCIAL CRYPTO'23, CCS'22, EUROCRYPT'21

REFERENCES

Associate Professor [Charalampos \(Babis\) Papamanthou](#) (at Yale), (Ph.D Advisor):

charalampos.papamanthou@yale.edu

Assistant Professor [Julian Loss](#) (at CISPA), (Research Collaborator):

lossjulian@gmail.com

Assistant Professor [Eugenie Foustoucos](#) (at AUEB), (Master's Advisor, Bachelor's Thesis Advisor):

eugenie@aueb.gr

ABOUT

I am a PhD Student advised by [Charalampos Papamanthou](#), at the Electrical Engineering department at the University of Maryland. Currently I am a Visiting Assistant in Research (VAR) at Yale CS. My research interests include several aspects of applied Cryptography, such as Byzantine Consensus and Blockchains, Vector Commitment Schemes and more.

My ongoing research projects include new techniques for synchronous Broadcast and efficient chain validation in Blockchains. During my undergrad, my research focus was in Theoretical CS topics, including Logic and Computational Complexity.