Georgios Anagnopoulos

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Postgraduate in Computer Science. Interested mainly in Parallel Programming and Distributed Systems. I consider myself fluent with some programming languages and tools, and eager to co-operate with teams for developing novel ideas and implementations.

Education

Master in Computer Science
University of Crete, Current GPA: 8.96   *Jan 2019 - Today, estimated graduation date: March 2021*

Bachelor in Computer Science
University of Crete, GPA: 7.05   *Sept 2012 - Jan 2019*

Experience

Master's Thesis : '*Atlas: Automated Scale-out of Trust-Oblivious Systems to Trusted Execution Environments*'
Distributed Computing Systems Laboratory – ICS-FORTH
Supervisor: Dr. Sotiris Ioannidis
Atlas is a system for automatically scaling out components on TEE's with the use of a high-level programming language, JavaScript. It uses program transformations to offload function calls of a given application and distribute load among TEE nodes.

Project on IoT
Experimenting on IoT devices enhancing the security (strengthen with TEE) and performance of applications that run on such autonomous systems.

Bachelor's Thesis : '*GHAMMER, A GPGPU Rowhammering Attack*'
Distributed Computing Systems Laboratory – ICS-FORTH
Supervisor: Dr. Sotiris Ioannidis
In our project, we examine the feasibility of the Rowhammer, a Side-Channel attack that can lead to data leakage (e.g. passwords, secret cryptographic keys), in GPGPU hardware architectures and provide insight regarding our results.

Honours

Postgraduate Scholarship in Distributed Computing Systems Laboratory
Foundation for Research and Technology -Hellas (FORTH)   *Jan 2019 - Mar 2021*

Undergraduate Scholarship in Distributed Computing Systems Laboratory
Foundation for Research and Technology -Hellas (FORTH)   *Nov 2017 - Jan 2019*

Publications

GHAMMER: A GPGPU Rowhammering Attack

Nov 2018

Poster for ACM Student Research Competition
in Parallel Architectures and Compilation Techniques (PACT 2018), Limassol, Cyprus

Technical and Personal Skills

Programming Languages: C, C++, Python, Scala, Java, Javascript

Tools and Frameworks: CUDA, OpenMP, GDB, REST, currently experimenting with Substrate blockchain development framework.

Operating Systems: Linux, Windows

Other: Proficiency in English