DIMITRA GIANTSIDI

(+30) 697 895 574 · dimitra.giantsidi@gmail.com
Informatics Forum 1.05, University of Edinburgh
10 Crichton Street, EH8 9AB, Edinburgh, United Kingdom

EDUCATION

University of Edinburgh, UK

Sept 2019 - present

PhD in Informatics (ICSA): Distributed systems, systems security, replication protocols

- · Sponsors: Microsoft Research
- · Advisor: Pramod Bhatotia

University of Edinburgh, UK

Sept 2018 - Aug 2019

MSc in Computer Science

- · Specialization Area: Software engineering, Computer systems & HPC
- · Thesis: Rollback-Resilient Transaction Protocols using Trusted Counters
- · Advisor: Pramod Bhatotia

National Technical University of Athens (NTUA), Greece

Sept 2012 - Feb 2018

Diploma (5-year joint degree, BEng and MEng) in Electrical & Computer Engineering

- · Thesis: Improving QoS in modern multi-core servers with Dynamic Cache Partitioning
- · Advisor: Georgios Goumas

PUBLICATIONS

Treaty: Secure Distributed Transactions, IEEE/IFIP DSN'22

Dimitra Giantsidi, Maurice Bailleu, Natacha Crooks, Pramod Bhatotia.

Avocado: A Secure In-Memory Distributed Storage System, USENIX ATC'21

Maurice Bailleu, Dimitra Giantsidi, Vasilis Gavrielatos, Le Quoc Do, Vijay Nagarajan, Pramod Bhatotia.

DICER: Diligent Cache Partitioning for Efficient Workload Consolidation, ICPP'21

Konstantinos Nikas, Nikela Papadopoulou, Dimitra Giantsidi, Vasileios Karakostas, Georgios I Goumas, Nectarios Koziris.

PROFESSIONAL EXPERIENCE

Condidential Computing Group, Microsoft Research, Cambridge, UK

Sept 2021 - Dec 2021

Research Scientist Intern

Research on timing-attacks resilient KV stores

Cloud RnD, Intracom Telecom, Athens, Greece

Jul 2017 - Jul 2018

 $Software \ \& \ Systems \ Engineer$

Research on performance and energy optimization of NFV services

RESEARCH EXPERIENCE

Teaching Assistant at the Unversity of Edinburgh, UK

Sept 2019 - present

· Courses: Operating Systems, Extreme Computing, Parallel Architectures, Object-oriented Programming

Teaching Assistant and Course Organizer at TUM, UK

Sept 2021 - present

· Courses: Cloud Lab, Systems Programming in C/Rust

Thesis supervisor at TUM, UK

Sept 2021 - present

· Supervised three BSc students on their BSc Thesis on Distributed and Networking systems

HONORS AND AWARDS

PhD scolarship, Microsoft Research

20192019

Claire Jones Prize, Adelard

Prize for Best Performing Female MSc Student at the University of Edinburgh

Highest Honors award

2012

Top 0.1% in national qualification exams, GPA: 19.6/20

PROFILES

Personal site

https://dgiantsidi.github.io/