

Efthymios Papageorgiou

 papageorgiou.efthymis@gmail.com

 +306948283840

 Heraklion, Crete

 GitHub

 Google Scholar

 My Website

Research Experience

Research Assistant

University of Crete

DEDALUS – Data Management with Quantum Computing Technologies

Aug 2025 – Oct 2025

Graduate Research Fellow

Foundation For Research and Technology - Hellas (ICS)

- Studied tail latency control in Kubernetes by dynamically adjusting CPU limits of containerized applications using reinforcement learning techniques
- Achieved target CPU utilization for an Apache HTTP Server, by developing a Model Predictive Control (MPC) system that utilized both classical and quantum techniques

Mar 2024 – Aug 2025
Heraklion, Crete, Greece

Undergraduate Research Fellow

Foundation For Research and Technology - Hellas (ICS)

- Conducted research on Apache HTTP Server, focusing on various Multi-Processing Modules (MPMs) and the reconfiguration transition phase

Apr 2023 – Mar 2024
Heraklion, Crete, Greece

Teaching Experience

CS590.45: Modern Topics in Scalable Storage Systems

Made a presentation for AWS

Feb 2025 – Jun 2025

CS486: Principles of Distributed Computing

Managed course infrastructure, developed course project, conducted labs and tutorials, provided assignment solutions

Feb 2024 – Jul 2024

CS452: Introduction to the science and the technology of services

Developed course project and conducted labs and tutorials

Sep 2023 – Feb 2025


Education

Ph.D. in Computer Science & Engineering

University of Crete

Sep 2025 – Present
Heraklion, Crete, Greece


M.Sc. in Computer Science & Engineering

University of Crete 

Grade: 9.21/10 | Thesis: 10/10

Sep 2023 – Jul 2025
Heraklion, Crete, Greece

B.Sc. in Computer Science

University of Crete 

Grade: 7.6/10 | Thesis: 10/10

Sep 2019 – Sep 2023
Heraklion, Crete, Greece

Publications

Model Predictive Control of Internet Servers using Quantum Annealing

5th IEEE International Conference on Autonomic Computing and Self-Organizing Systems - ACSOS 2024

Skills

Programming Languages

C, C++, Golang, Scala, Python, bash

DevOps & Infrastructure

Docker, Kubernetes, AWS, GitHub Actions, Prometheus, Grafana, Linux, Terraform, git

Other Technologies

httpd, nginx, Locust, K6, gRPC, Spark

Conferences Presented

ACSOS 2024

Model Predictive Control of Internet Servers using Quantum Annealing
University of Aarhus

Sep 2024
Aarhus, Denmark

Conferences Attended

ACSOS 2024

5th IEEE International Conference on Autonomic Computing and Self-Organizing Systems

Aarhus, Denmark

SummerSOC 2024

18th Symposium and Summer School On Service-Oriented Computing

Heraklion, Greece

EuroSys 2024

Received grant to attend EuroSys24 conference

Athens, Greece

Programming Competitions

Future of Database Programming Contest 2024 (ATHENA Research Center with the support of Huawei)

problem of database query optimization: cardinality estimation

- Rank: 12th / 60
- Score: 19.8814

ICPC 2023

- Local(GR): 41th / 87 (me and my team promoted to the next phase – ICPC Europe)

Meta Hacker Cup 2022

- Qualification Round: 4,533th / 27, 604
 - Round 1: 5,436th / 12,330
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Hackathons

SAFE-CITIES Hackathon

SAFE-CITIES is a European project aimed at safeguarding public spaces by offering specialized tools to assist security stakeholders' work
Our solution: Reinforcement Learning based approach

Jun 2024
Hersonissos, Crete,
Greece

Certificates

IBM DevOps & Software Engineer

status: in progress

Languages

- Greek
- English
- French