

Georgios Alexopoulos

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WORK EXPERIENCE

National Infrastructures for Research and Technology (GRNET) 05/2023 -

Cloud Engineer

Arrikto

07/2021 - 04/2023

Software Engineer

- Designed and implemented [Kiwi](#), a GPU sharing/virtualization mechanism for Kubernetes and on-prem based on my diploma thesis
- Automated the build process of container images with an emphasis on caching and reproducibility

Arrikto

01/2020 - 06/2021

Software Engineer Intern

EDUCATION

2014 - 2021 Diploma (5-year degree - 300 ECTS - MEng equivalent) [GPA: 8.72/10]
School of Electrical and Computer Engineering,
National Technical University of Athens

2023 - now Ph.D.
Department of Business Administration,
National and Kapodistrian University of Athens
Subject: "Developing Secure and Reliable Software"
Supervisor: Dimitris Mitropoulos

PUBLICATIONS

1. Georgios Alexopoulos and Dimitris Mitropoulos. nvshare: Practical GPU sharing without memory size constraints. In Proceedings of the 46th International Conference on Software Engineering (ICSE '24): Demonstrations Track. IEEE, May 2024. To appear

SKILLS

Programming: C [systems, concurrency, function interposition, IPC],
Python, Golang, Bash, Assembly [8085, 8086, AVR]

Parallel programming: CUDA, OpenMP, MPI

Orchestration: Kubernetes, Kubeflow, Docker

Container Runtimes: containerd, OCI spec [runc]

GPU systems: Virtualization/sharing, NVIDIA stack

Networking: TCP/IP, DNS, tcpdump

Miscellaneous: System Administration [Linux], Git, Google Cloud, AWS

Languages: Greek [native speaker], English [Cambridge C2 Proficiency],
German [Goethe-Zertifikat B2], Chinese [HSK 3]