# Andria Trigeorgi

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## Education

**Ph.D in Computer Science**, *University of Cyprus*, Nicosia. **2020–2025**

**Master of Computer Science**, *University of Cyprus*, Nicosia, **2016–2018**
*Grade 8.64*.

**Bachelor of Computer Science**, *University of Cyprus*, **2012–2016**
Nicosia, *Grade 7.97*.

### Ph.D thesis

**goal**: *Build a dynamic DSS for highly concurrent and strongly consistent file sharing.*

**supervisors**: Chryssis Georgiou, Nicolas Nicolaou

### Master thesis

**title**: *Data mining from psychosphysological data and comparative evaluation of machine learning algorithms, Grade 10*.

**supervisor**: Chryssis Georgiou

### Bachelor thesis

**title**: *A Study of Machine and Deep Learning Methods and their Application on Psychophysiological Markers in Stress Coping, Grade 10*.

**supervisor**: Chryssis Georgiou

## Work Experience

**Special Scientist for the needs of the Research Program "Ma(R)S"**, *Algolysis Ltd*, Limassol.   Oct 2023 – Sept 2025

I participate in the development and implementation of the algorithm and the experimental evaluation. Also, I am the Project Coordinator.

**Special Scientist for the needs of the Research Program "Charisma"**, *Algolysis Ltd*, Limassol.   June 2023 – Aug 2023

I participate in the development and implementation of the algorithm and the experimental evaluation.

**Special Scientist for the needs of the Research Program "ARES"**, *Algolysis Ltd*, Limassol.   March 2022 – July 2022

I participate in the development and implementation of algorithms and experimental evaluation of these.

**Special Scientist for the needs of the Research Program "AM-NVE"**, *Algolysis Ltd*, Limassol.    Oct 2021–Nov 2021

I devise and run several experimental scenarios to test various performance metrics of the PoC implementation.

**Special Scientist for the needs of the Research Program "e4pain"**, *University of Cyprus*, Nicosia.    July 2021–Jan 2022

I participate in the ambulatory assessment, experimental evaluation, and prediction.

**Teaching Assistant**, *University of Cyprus*, Nicosia.    **Jan 2020–present**

Teaching Assistant for the courses: EPL236 and EPL601.

**Special Scientist for the needs of the Research Program "COLLABORATE"**, *University of Cyprus*, Nicosia.    May 2019–April 2021

I am implementing algorithms for a Distrubuted Storage System.

**Special Scientist for the needs of the Research Program "Base"**, *University of Cyprus*, Nicosia.    2016

I studied various methods of Machine and Deep Learning, which are useful for the processing and classification of human movements.

## Publications

**Dynamic Distributed Shared Memory: When&How?**, *C. Georgiou, N. Nicolaou and A. Trigeorgi.*    **2025**
PaPoC

**Boosting concurrency and fault-tolerance for reconfigurable shared large objects.**, *A. F. Anta, T. Hadjistasi, C. Georgiou, N. Nicolaou, E. Stavrakis and A. Trigeorgi.*    **2025**
Under revision.

**ARES II: Tracing the Flaws of a (Storage) God.**, *C. Georgiou, N. Nicolaou and A. Trigeorgi.*    **2024**
SRDS

**Tracing the Latencies of Ares: A DSM Case Study.**, *C. Georgiou, N. Nicolaou and A. Trigeorgi.*    **2024**
ApPLIED

**Robust and Consistent Distributed Storage as a Service.**, *A. Trigeorgi.*    **2024**
GEC

**Invited paper: Towards Practical Atomic Distributed Shared Memory: An Experimental Evaluation.**, *A. Trigeorgi, N. Nicolaou, C. Georgiou, T. Hadjistasi, E. Stavrakis, V. Cadambe and B. Urgaonkar.*
SSS

**2022**

**Fragmented ARES: Dynamic Storage for Large Objects.**, *Chryssis Georgiou, Nicolas Nicolaou, Andria Trigeorgi.*
DISC. (arXiv:2201.13292)

**2022**

**ARES: Adaptive, Reconfigurable, Erasure coded, Atomic Storage.**, *N. Nicolau, V. Cadambe, N. Prakash, A. Trigeorgi, K. M. Konwar, M. Medard, and N. Lynch.*
ACM Transactions on Storage (TOS).

**2021**

**Fragmented Objects: Boosting Concurrency of Shared Large Objects**, *A. F. Anta, T. Hadjistasi, C. Georgiou, N. Nicolaou, E. Stavrakis and A. Trigeorgi.*
SIROCCO

**2021**

**Robust and Strongly Consistent Distributed Storage Systems**, *A. Trigeorgi.*
RCIS

**2021**

**Deployment and Empirical Evaluation of CoBFS in the Emulab Network Testbed**, *A. Trigeorgi.*
ApPLIED Workshop

**2021**

**Comparing apples and oranges or different types of citrus fruits? Using wearable versus stationary devices to analyze psychophysiological data**, *P. Konstantinou, A. Trigeorgi, C. Georgiou, A. T. Gloster and M. Karekla.*
PsyP

**2020**

**Wearable devices vs. Stationary equipment: Similar or different psychophysiological signals?**, *P. Konstantinou, A. Trigeorgi, C. Georgiou, A. T. Gloster, G. Panayiotou and M. Karekla.*
ESRII

**2019**

## Languages

**English**: CEFR Level B2                                *IELTS score 6.5*

## Technical skills

**Languages**: Python, C, Java
**Operating Systems**: Unix (macOS, Linux), Ubuntu, Windows

**Frameworks**: Ansible, Grafana, Git, Docker

**Testbeds**: Emulab, AWS EC2, Fed4FIRE, Grid'5000

**Databases**: Cassandra, Redis, InfluxDB, SQL, CouchDB

**Other skills**: ZeroMQ, Opentelemetry, Jaeger, Zipkin, Scikit-learn, BioSPPy, Neurokit