

EFSTRATIOS NTALLARIS

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Education

University of Crete - Computer Science Department

Ph.D Candidate in Computer Science

Sept. 2024 – Present

Heraklion, Greece

University of Crete - Computer Science Department

Master of Science in Computer Science

Feb. 2019 – Mar 2022

Heraklion, Greece

- Thesis: Increasing the Efficiency of Data Rebalancing in the Redis Distributed Key-Value Store

TEI of Crete - Department of Informatics Engineering

Bachelor of Science in Informatics Engineering

Sept 2014 – Oct 2018

Heraklion, Greece

- Thesis: One-way delay computations for real time clock synchronization

Experience

Foundation for Research and Technology - Hellas (FORTH)

Postgraduate Research Assistant, Information Systems Laboratory

Feb 2020 – Present

Heraklion, Greece

- Enhanced the Redis Migration Protocol by leveraging RDMA Networks
- Conducted a comprehensive study on MongoDB and integrated RDMA into its migration path
- Investigated the performance overhead in Context-Aware Brokers (Stellio, Scorpio, Orion-LD) along with their underlying databases

Undergraduate Research Assistant

Undergraduate Research Assistant, AISE Lab

Feb 2018 – Nov 2018

Heraklion, Greece

- Developed an algorithm for real-time clock synchronization using one-way delay computations
- Contributed to the development of a secure group communication algorithm for CAN-Bus networks

Publications

- **Efstratios Ntallaris**, Georgios Bouloukakis and Kostas Magoutis “Benchmarking Context-Aware Services for IoT-driven Transportation Systems“, In Proceedings of the 14th International Conference on the Internet of Things: IoT 2024 11, Oulu, Finland 2024
- Miltos D Grammatikakis, Anastasios Koumarelis, **Efstratios Ntallaris** “Validation of soft real-time in remote ECG analysis“ Applications in Electronics Pervading Industry, Environment and Society: APPLEPIES 2020 8, Pisa, Italy, 2020
- M. Grammatikakis, N.Mouzakitis, **E.Ntallaris**, V.Piperaki, K.Patelis, G.Vougioukalos “On-the-Fly Secure Group Communication on CAN Bus“ Applications in Electronics Pervading Industry, Environment and Society: APPLEPIES 2018 6, Pisa, Italy, 2018