

## ANNA KARANIKA

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## RESEARCH INTERESTS

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Distributed Systems, Edge Computing, Internet of Things, Cloud Computing, Software Engineering

## EDUCATION

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**University of Illinois at Urbana Champaign (UIUC)**

Aug 2020 – Present

Ph.D. in Computer Science

Advised by Professor Indranil Gupta

**University of Thessaly (UTh)**

Oct 2019 – Jun 2020

M.Sc. in Computer Science

Advised by Professor Kostas Kolomvatsos

**University of Thessaly (UTh)**

Sep 2014 – Jun 2019

Diploma (B.Eng. + M.Eng.) in Electrical and Computer Engineering

Advised by Professors Kostas Kolomvatsos and George Stamoulis

## PUBLICATIONS

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Panagiotis Oikonomou, **Anna Karanika**, Christos Anagnostopoulos, Kostas Kolomvatsos. "On the Use of Intelligent Models towards Meeting the Challenges of the Edge Mesh." CSUR 2021.

**Anna Karanika**, Ioannis Filippopoulos, Angelika Kokkinaki, Panagiotis Efstathiadis, Ioannis Tsilikas, Yiannis Kiouvrekis. "Extensive Use of RFID in Shipping." EMCIS 2020. [\[doi\]](#) [\[pdf\]](#)

**Anna Karanika**, Panagiotis Oikonomou, Kostas Kolomvatsos, Christos Anagnostopoulos. "An Ensemble Interpretable Machine Learning Scheme for Securing Data Quality at the Edge." CD-MAKE 2020. [\[doi\]](#)

**Anna Karanika**, Panagiotis Oikonomou, Kostas Kolomvatsos, Thanasis Loukopoulos. "A Demand-driven, Proactive Tasks Management Model at the Edge." FUZZ-IEEE 2020. [\[doi\]](#)

**Anna Karanika**, Madalena Soula, Christos Anagnostopoulos, Kostas Kolomvatsos, George Stamoulis. "Optimized Analytics Query Allocation at the Edge of the Network." ICDS 2019. [\[doi\]](#)

## INDUSTRIAL EXPERIENCE

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### APOSTOLAKIS Engineering

Jul 2017 – Aug 2017

PLC Programmer and SCADA Designer, Intern

## TEACHING EXPERIENCE

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Introduction to Programming (UTh)

Fall 2019

Electrical and Mechanical Engineering Design (UTh)

Spring 2018

## SKILLS

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**Expert**

C, Python, Java

**Advanced**

Git, SQL, OpenMP, CUDA, scikit-learn

**Intermediate**

C++, R, HTML, CSS, MATLAB, Keras, Maven

**Familiar**

Go, JavaScript, Scala, MPI, TensorFlow

## LANGUAGES

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**Greek** – Native

**English** – Fluent

**French** – Basic

March 2021