

ANNA KARANIKA

Homepage: annakaranika.github.io

Personal e-mail: annakaranika@gmail.com

Work email: annak8@illinois.edu

LinkedIn: [anna-karanika](#)

GitHub: [annakaranika](#)

Google Scholar: [profile](#)

ORCID iD: [0000-0002-0362-6821](#)



RESEARCH INTERESTS

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

EDUCATION

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

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

APOSTOLAKIS Engineering

Jul 2017 – Aug 2017

PLC Programmer and SCADA Designer, Intern

TEACHING EXPERIENCE

Introduction to Programming (UTh)

Fall 2019

Electrical and Mechanical Engineering Design (UTh)

Spring 2018

SKILLS

Expert

C, Python, Java

Intermediate

Git, SQL, OpenMP, CUDA, C++, R, HTML, CSS, MATLAB, Keras

Familiar

Go, JavaScript, Scala, MPI, TensorFlow

LANGUAGES

Greek – Native

English – Fluent

French – Basic

March 2021