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

Conference papers		
	C.4	**Anna Karanika**, Ioannis Filippopoulos, Angelika Kokkinaki, Panagiotis Efstathiadis, Ioannis Tsilikas, Yiannis Kiouvrekis. "Extensive Use of RFID in Shipping." In *EMCIS*, 2020. [doi] [pdf]
	C.3	**Anna Karanika**, Panagiotis Oikonomou, Kostas Kolomvatsos, Christos Anagnostopoulos. "An Ensemble Interpretable Machine Learning Scheme for Securing Data Quality at the Edge." In *CD-MAKE*, 2020. [doi]
	C.2	**Anna Karanika**, Panagiotis Oikonomou, Kostas Kolomvatsos, Thanasis Loukopoulos. "A Demand-driven, Proactive Tasks Management Model at the Edge." In *FUZZ-IEEE*, 2020. [doi]
	C.1	**Anna Karanika**, Madalena Soula, Christos Anagnostopoulos, Kostas Kolomvatsos, George Stamoulis. "Optimized Analytics Query Allocation at the Edge of the Network." In *IDCS*, 2019. [doi]

Journal papers	J.1	Panagiotis Oikonomou, **Anna Karanika**, Christos Anagnostopoulos, Kostas Kolomvatsos. "On the Use of Intelligent Models towards Meeting the Challenges of the Edge Mesh." To appear in *CSUR*, 2021.
Book chapters	BCh.1	Panagiotis Efstathiadis, **Anna Karanika**, Nestoras Chouliaras, Leandros Maglaras, Ioanna Kantzavelou. "Smart Cars and Over-the-Air Updates." To appear in *CybET*, 2021.

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

Advanced   Git, SQL, OpenMP, CUDA, scikit-learn

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

Familiar   Go, JavaScript, Scala, MPI, TensorFlow

LANGUAGES

Greek – Native

English – Fluent

French – Basic

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