ANNA KARANIKA

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RESEARCH INTERESTS

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

EDUCATION

Aug 2020 – Present	**University of Illinois at Urbana Champaign (UIUC)** Ph.D. in Computer Science Advised by Professor Indranil Gupta
Oct 2019 – Jun 2020	**University of Thessaly (UTh)** M.Sc. in Computer Science Advised by Professor Kostas Kolomvatsos
Sep 2014 – Jun 2019	**University of Thessaly (UTh)** 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.2	Panagiotis Oikonomou, **Anna Karanika**, Christos Anagnostopoulos, Kostas Kolomvatsos. "On the Use of Intelligent Models towards Meeting the Challenges of the Edge Mesh." In *CSUR*, ACM, 2021. [doi]
	J.1	Madalena Soula, **Anna Karanika**, Kostas Kolomvatsos, Christos Anagnostopoulos, George Stamoulis. "Intelligent Tasks Allocation at the Edge based on Machine Learning and Bio-Inspired Algorithms." In *EVOS*, Springer, 2021. [doi]
Book chapters	BCh.1	Panagiotis Efstathiadis, **Anna Karanika**, Nestoras Chouliaras, Leandros Maglaras, Ioanna Kantzavelou. "Smart Cars and Over-the-Air Updates." In *CybET*, CRC Press, 2021. [book]

INDUSTRIAL EXPERIENCE

May 2022 – Aug 2022	**Twitter** Engineering Intern Developed a method for pinpointing the appropriate sampling rate for tracing incoming user requests.
Jul 2017 – Aug 2017	**APOSTOLAKIS Engineering** PLC Programmer and SCADA Designer, Intern

TEACHING EXPERIENCE

Fall 2019	Introduction to Programming (UTh)
Spring 2018	Electrical and Mechanical Engineering Design (UTh)

SKILLS

Expert	C, Python, Java
Advanced	Git, SQL, OpenMP, CUDA, scikit-learn
Intermediate	C++, Maven, R, MATLAB, Keras, LaTeX, HTML, CSS
Familiar	Go, JavaScript, Scala, MPI, TensorFlow

LANGUAGES

Greek	Native
English	Fluent
French	Basic

Last updated August 2022