

## ANNA KARANIKA

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## RESEARCH INTERESTS

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

## EDUCATION

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| Aug 2020 – Present  | <b>University of Illinois at Urbana Champaign (UIUC)</b><br>Ph.D. in Computer Science<br>Advised by Professor Indranil Gupta   |
| Oct 2019 – Jun 2020 | <b>University of Thessaly (UTh)</b><br>M.Sc. in Computer Science<br>Advised by Professor Kostas Kolomvatsos  |
| Sep 2014 – Jun 2019 | <b>University of Thessaly (UTh)</b><br>Diploma (B.Eng. + M.Eng.) in Electrical and Computer Engineering<br>Advised by Professors Kostas Kolomvatsos and George Stamoulis |

## PUBLICATIONS

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

Journal papers	J.2	Panagiotis Oikonomou, <b>Anna Karanika</b> , Christos Anagnostopoulos, Kostas Kolomvatsos. “On the Use of Intelligent Models towards Meeting the Challenges of the Edge Mesh.” In <i>CSUR</i> , ACM, 2021. <a href="#">[doi]</a>
	J.1	Madalena Soula, <b>Anna Karanika</b> , Kostas Kolomvatsos, Christos Anagnostopoulos, George Stamoulis. “Intelligent Tasks Allocation at the Edge based on Machine Learning and Bio-Inspired Algorithms.” In <i>EVOS</i> , Springer, 2021. <a href="#">[doi]</a>
Book chapters	BCh.1	Panagiotis Efstathiadis, <b>Anna Karanika</b> , Nestoras Chouliaras, Leandros Maglaras, Ioanna Kantzavelou. “Smart Cars and Over-the-Air Updates.” In <i>CybET</i> , CRC Press, 2021. <a href="#">[book]</a>

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## INDUSTRIAL EXPERIENCE

Jul 2017 – Aug 2017	<b>APOSTOLAKIS Engineering</b> PLC Programmer and SCADA Designer, Intern
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## TEACHING EXPERIENCE

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

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## SKILLS

<b>Expert</b>	C, Python, Java
<b>Advanced</b>	Git, SQL, OpenMP, CUDA, scikit-learn
<b>Intermediate</b>	C++, Maven, R, MATLAB, Keras, $\text{\LaTeX}$ , HTML, CSS
<b>Familiar</b>	Go, JavaScript, Scala, MPI, TensorFlow

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## LANGUAGES

<b>Greek</b>	Native
<b>English</b>	Fluent
<b>French</b>	Basic

Last updated November 2021