Nikolaos Papadakis

- Nationality: Greek
- 1996
- Évry-Courcouronnes France
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Languages: *Greek* (Native)
English (Full Professional)
French (Professional Working)

- github.com/papadakni
- gitlab.com/Papadakni
- linkedin.com/in/papadakni/

Research Interests: Internet of Things, Distributed Systems, Middleware, Machine Learning

PROFESSIONAL EXPERIENCE

Nov 2022-Present	**Visiting R&D Engineer**
	TÉLÉCOM SUDPARIS / IP PARIS · France
	R&D Engineer
	FOUNDATION FOR RESEARCH AND TECHNOLOGY · Hellas (FORTH), Greece
	Contract- Conducting in-depth research and development activities to create and improve cutting-edge technologies
2021-Oct 2022	**Graduate Research Assistant**
	FOUNDATION FOR RESEARCH AND TECHNOLOGY · Hellas (FORTH), Greece
	Working on the Smart City Bus National Project [ELIDEK] https://smartcitybusproject.github.io/
Summer 2017	**Project Intern**
	FOUNDATION FOR RESEARCH AND TECHNOLOGY · Hellas (FORTH), Greece
	Evaluation of the Kreon system (An Efficient Memory-Mapped Key-Value Store for Flash Storage) in Arm based machines

TEACHING EXPERIENCE

2020-2022	**Teaching Assistant**
	UNIVERSITY OF CRETE, DEPARTMENT OF COMPUTER SCIENCE · Greece
	CS-335 Computer Networks (Spring Semester 2022),
	CS-559 Infrastructure Technologies for Large-Scale Service-Oriented Systems (Winter Semester 2021),
	CS-380 Algorithms and complexity ((Spring Semester 2020, Spring Semester 2021),
	CS-110 Calculus I (Winter Semester 2020),

EDUCATION

2020- 2022	**Graduate Degree (M.Sc), Computer Science and Engineering**
	UNIVERSITY OF CRETE · Department of Computer Science
	GPA: [EXCELLENT] [8,64/10]
	Thesis: "ComDeX: A Context-aware Federated Platform for IoT-enhanced Communities"
	Advisors: Kostas Magoutis, Georgios Bouloukakis
2014 - 2019	**Bachelors of Science (BSc), Computer Science**
	UNIVERSITY OF CRETE · Department of Computer Science
	GPA: [VERY GOOD] [6,95/10]
	Thesis: "Computational pre-processing methods for mass cytometry data" (Grade 10/10)
	Advisors: Ioannis Tsamardinos, Giorgos Papoutsoglou

HONORS & AWARDS

Mar 2021,Apr 2022	**ICS-FORTH MSc fellowship**
	Issued by Institute of Computer Science (ICS) - Foundation for Research and Technology - Hellas (FORTH)
Jul 2014	**Grant of academic excellence - High School**
	Issued by High School of Kalamoti Chios, Greece

Publications

June 2023	***Nikolaos Papadakis**, Georgios Bouloukakis, and Kostas Magoutis ComDeX: A Context-aware Federated Platform for IoT-enhanced Communities. The 17th ACM International Conference On Distributed And Event-Based Systems (DEBS), Neuchatel, Switzerland, 2023*
	***Nikolaos Papadakis**, Georgios Bouloukakis, and Kostas Magoutis, Demo: ComDeX Unveiled Demonstrating the Future of IoT-Enhanced Communities. The 17th ACM International Conference On Distributed And Event-Based Systems (DEBS), Neuchatel, Switzerland, 2023*
	*Houssam Hajj Hassan,Georgios Bouloukakis,Denis Conan1,Ajay Kattepur,Mahdi Trabolsi, **Nikolaos Papadakis**,Djamel Belaıd, and Kostas Magoutis, (DEMO) EDICT: A Simulation Tool for Performance Metrics Datasets in IoT Environments The 19th Annual International Conference on Distributed Computing in Smart Systems and the Internet of Things (DCOSS-IoT),Coral Bay, Pafos, Cyprus, 2023*
Feb 2023	*Georgios Bouloukakis, Chrysostomos Zeginis, **Nikolaos Papadakis**, Kostas Magoutis, George Christodoulou, Chrysanthi Kosyfaki, Konstantinos Lampropoulos, and Nikos Mamoulis SmartCityBus - A Platform for Smart Transportation Systems The 16th ACM International Conference on Web Search and Data Mining (WSDM), Singapore, 2023, https://doi.org/10.1145/3539597.3575781*
Nov 2022	***Nikolaos Papadakis**, Georgios Bouloukakis, and Kostas Magoutis. Enabling Dynamic Smart Spaces using IoT-enhanced NGSI-LD Data Models. The 3rd IoT Connected World/Web Semantic Interoperability Workshop (CWSI) Delft, Netherlands, 2022.*
Nov 2022	*Georgios Bouloukakis, Chrysostomos Zeginis, **Nikolaos Papadakis**, Panagiotis Zervakis, Dimitris Plexousakis, and Kostas Magoutis. Enabling IoT-enhanced Transportation Systems using the NGSI Protocol. The 12th International Conference on the Internet of Things (IoT), Delft, Netherlands, 2022, https://doi.org/10.1145/3567445.3567460*

Attended Seminars & Conferences

Nov 2022	*The 12th International Conference on the Internet of Things (IoT 2022) - Delft, Netherlands*
Nov 2022	*3rd Connected World/Web & Semantic Interoperability Workshop (CWSI 2022) - Delft, Netherlands*
Mar 2022	*The 20th International Conference on Pervasive Computing and Communications (PerCom 2022) - Virtual*
Nov 2020	*Online Webinar, CYBERWISER.eu Webinar Series - #3: Phishing - Virtual*
Apr 2018	Career Seminar "Accenture meets university of Crete" - Heraklion Crete, Greece
Feb 2018	Seminar "Oracle Academy Day" - Heraklion Crete, Greece

Talks

Nov 2022	*"Enabling IoT-enhanced Transportation Systems using the NGSI Protocol", The 12th International Conference on the Internet of Things (IoT 2022) - Delft, Netherlands*
Nov 2022	*"Enabling Dynamic Smart Spaces using IoT-enhanced NGSI-LD Data Model", The 3rd Connected World/Web & Semantic Interoperability Workshop (CWSI 2022) - Delft, Netherlands*
Sep 2022	*"ComDeX: A Context-aware Federated Platform for IoT-enhanced Communities", Master Thesis Defence - Virtual*

Language Certifications

Oct 2011	**French, PARIS SORBONNE C1** Certificat Pratique De Langue Français · Université Paris IV - Sorbonne 🏛
May 2011	**English, Certificate of Proficiency in English** C2 · University of Michigan 🏛

Programming & Digital skills

★★★★★ C, C++, Python, Git, Internet of Things, Data Modeling
☆★★★★ Java, R, HTML/CSS, Matlab, LaTeX, Machine Learning, Bioinformatics, Amazon Web Services (AWS)
☆☆★★★ SQL, Assembly, Databases, Digital Forensics, Game Design/Game Engines, Microsoft Office
☆☆☆★★ Pattern Recognition, Applied Mathematics
☆☆☆☆★ Pearl, Javascript, 3D Modeling (Blender)

Recent Software Prototypes (More available on Gitlab and Github)

Spring 2021-2022	**Creating a Context-aware Federated Platform for IoT-enhanced Communities** https://github.com/SAMSGBLab/ComDeX
Winter 2020	**Diagnosing COVID-19, Using ML Explainability Tools and Techniques** Done within the context of class, CS-577: Machine Learning, Computer Science Department, University of Crete https://gitlab.com/Papadakni/hy577
Winter 2020	**A Drugs and Homicide case: "From crime scene planning to presenting evidence in court"** Done within the context of class, CS-457.1: Digital Forensics, Computer Science Department, University of Crete https://gitlab.com/Papadakni/HY457.1

References

Kostas Magoutis	Associate Professor, Computer Science Department University of Crete, Greece ✉ magoutis@csd.uoc.gr
Georgios Bouloukakis	Associate Professor, Télécom SudParis / IP Paris, France ✉ georgios.bouloukakis@telecom-sudparis.eu