

# Christos Dalamagkas

RESEARCH ASSISTANT · NETWORK ENGINEER (CCNA)



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Birth date: 3 November 1994

## Education

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### University of Western Macedonia

2012 – 2017

MASTER DEGREE (5 YEARS OF STUDY), DEPT. OF INFORMATICS AND TELECOMMUNICATIONS ENGINEERING

- Game theory on XG-PON networks: <https://christos.pw/thesis>.
- Graduation Grade: 8.2/10.

## Experience

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### Public Power Corporation

May 2018 - Now

RESEARCH ASSISTANT

- Researcher on Horizon 2020 programmes (SPEAR, SDN-microSENSE).
- Smart grids, industrial networking and cybersecurity.



### Freelance ICT engineer

Jun. 2018 - Now

L1 ENGINEER

- VAT registered CCNA Network Engineer.
- Field Engineer for IT service companies (NSC Global)



### University of Western Macedonia

Mar. 2017 - Now

RESEARCH ASSISTANT

- Teaching Assistance for Computer Networks, Cybersecurity and Event-driven simulation.
- Assistance in EU-funded research programmes.
- Developer (Web development and SDN).



### IEK ALFA (Vocational school)

Oct. 2018 - Jun. 2019

TEACHER

- Computer networks and telecommunications oriented lessons.
- Operating Systems and Object-oriented programming (C++).



### University of Brighton

Jul. - Sept. 2017

RESEARCH ASSISTANT



### IntelliSolutions S.A

Jul. - Aug. 2016

SYSTEMS AND NETWORK ENGINEER (INTERN)

## Professional Certifications

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Cisco Certified Network Associate (CCNA)

JUL. 2019

VALID

## Skills

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<b>Telecommunications</b>	ITU-T PONs, Traffic Engineering, Simulation (OmNET++).
<b>Networking</b>	CCNA skills, Open vSwitch, RouterOS, ArubaOS, OpenFlow, SDN programming.
<b>Security</b>	TLS, PKI, OpenVPN, pfSense, ACLs and Firewalls
<b>System Administration</b>	Unix, LEMP stack, Windows Server, Active Directory.
<b>Virtualization</b>	Xen (XCP-ng), ESXi, Proxmox VE, VMware/VirtualBox, Docker.
<b>Programming</b>	Java, MATLAB, Python, C/C++, Web development, Django framework.
<b>Miscellaneous</b>	Troubleshooting, Project Management, Office Suite, MS Visio, L <sup>A</sup> T <sub>E</sub> X.
<b>Languages</b>	Greek (native), English (C2), German (C1).

## Voluntary Activities and Memberships

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University of Western Macedonia

Mar. 2016 - Now

AUTHOR OF EDUCATIONAL MATERIAL

- Author of original education material for the course "Network Design".
- Curriculum includes Cisco and Mikrotik routing and switching.



Institute of Electrical and Electronics Engineers

Sep. 2013 – Now

IEEE COMMUNICATIONS SOCIETY MEMBER

## Publications

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|--|------|
| [1] C. Dalamagkas, P. Sarigiannidis, S. Kapetanakis and I. Moscholios, "Dynamic scheduling in TWDM-PONs using game theory", <i>Optical Switching and Networking</i> , Dec. 2017, DOI: 10.1016/j.osn.2017.12.004.   | 2018 |
| [2] C. Dalamagkas, P. Sarigiannidis, I. Moscholios, T. Lagkas and M.S. Obaidat, "PAS: A Fair Game-Driven DBA Scheme for XG-PON Systems", <i>11th International Symposium on Communication Systems, Networks, and Digital Signal Processing</i> , Jul. 2018. DOI: 10.1109/CSNDSP.2018.8471787 | 2018 |
| [3] C. Dalamagkas et al., "A Survey On Honeypots, Honeynets And Their Applications On Smart Grid," in 2019 IEEE Conference on Network Softwarization (NetSoft), 2019. DOI: 10.1109/NETSOFT.2019.8806693  | 2019 |
| [4] P. Diamantoulakis, C. Dalamagkas, P. Radoglou-Grammatikis, P. Sarigiannidis, and G. Karagiannidis, "Game Theoretic Honeypot Deployment in Smart Grid," <i>Sensors</i> , vol. 20, no. 15, p. 4199, Jul. 2020. DOI: 10.3390/s20154199  | 2020 |