

elena aloupogianni

information engineer

contact

Athens 11146, Greece
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foxelas.github.io

full resume

foxelas.github.io/cv

publications

foxelas.github.io/publications

interests

biomedical optics
image processing
high-dimensional data
pattern recognition
artificial intelligence
statistical analysis
stock pricing

programming

MATLAB, Python, C#
R, MS SQL, MS VBA
CSS, HTML, Bash

tools

L^AT_EX, Github, Jekyll
Anaconda, Tensorflow
Anvil, Visual Studio
Google Rest API

os

Windows
Ubuntu Linux

societies

Engineering in
Medicine and Biology
Society (IEEE EMBS)
(ex-member)
Japanese Society of
Medical Imaging
Technology (JAMIT)
(ex-member)

education

- 2019-2022 **Ph.D. (GPA 3.90/4.50)** Tokyo Institute of Science and Technology, Japan
in Human-Centered Science and Biomedical Engineering,
Department of Information and Communications Engineering
Thesis: "Hyperspectral Imaging and Analysis for the Diagnosis of Pigmented Skin Lesions during Gross Pathology"
Supervisor: Associate Professor Takashi Obi (Obi Laboratory)
Funding: Japanese Government ([Monbukagakusho](#): [MEXT](#)) Scholarship
- 2017-2019 **M.Eng. (GPA 4.16/4.50)** Tokyo Institute of Science and Technology, Japan
in Information and Communications Engineering
Thesis: "[Skin Cancer Detection Using Multi-Spectral Macropathology Images](#)"
Supervisor: Associate Professor Takashi Obi (Ohshima-Obi Laboratory)
Funding: Japanese Government ([Monbukagakusho](#): [MEXT](#)) Scholarship
- 2011-2016 **Joint B.Sc.&M.Sc. (GPA 8.26/10)** National Technical University of Athens, Greece
in Electrical and Computer Engineering
Specialization: Signals, Computer Systems, Electronics, Bioengineering
Thesis: "[Application of the Curvelet Transform on Ultrasound Images of the Carotid Artery](#)"
Supervisor: Professor Konstantina Nikita
Funding: (Partial) Eurobank '[Mprosta](#)' Award for top-ranking national examination score

experience

- 2017-2022 **Software Developer** Technology Dept., Yamazaki Johosekei IDAY
Data analysis, modelling and support of financial product pricing and risk management. Regression testing and verification tool production. UI development and rapid prototyping for in-house web applications.
- 2020-2021 **Teaching Assistant (Contract)** Faculty of Health, Saitama Medical University
Guidance and assistance in Undergraduate Engineering Workshops (1. Applied Engineering Experiments, 2. Electrical and Electronic Experiments) for the Faculty of Health and Medical Care.
- 2018 **Research Assistant (Contract)** Obi laboratory, Tokyo Institute of Technology
Research collaboration with Saitama Medical University, Chiba University and Olympus Corporation.
- Full list foxelas.github.io/cv

skills

problem-solving, creativity, adaptability in multicultural environments, project management, time management, teamwork, positive attitude, friendly personality, consistent performance, public speaking, translation, leadership

languages

Greek: ● ● ● ● ● Native
English: ● ● ● ● ● Near-Native
Japanese: ● ● ● ● ○ JLPT N2
German: ● ● ● ○ ○ Goethe-Zertifikat B2

Updated: October 20, 2022