elenialoupogianni

information engineer

about

Elena (she/her)
Athens, Greece
foxelas.github.io
eawrk@outlook.com

online cv

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

LaTeX, 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
3y

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
2y

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 (Ohyama-Obi Laboratory)
Funding: Japanese Government (Monbukagakusho: MEXT) Scholarship

2017
6m

Research student   Tokyo Institute of Science and Technology, Japan
Intensive Japanese language course and preparation for graduate studies

2011-2016
5y

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

2008-2011
3y

High-School Diploma with Honors   Geniko Lykeio Astrous, Arcadia, Greece
Scored 19.640 points in nationwide university entrance examination.
Award: Eurobank 'Mprosta' Scholarship for top-ranking score.

experience

2017-2022
5y

Software Developer (Part-time)   Technology Dept., Yamazaki Johosekei IDAY
Data analysis, modelling and support of financial product pricing and risk management (mainly development in C#, MS SQL, R). Regression testing and verification tool production (mainly MS VBA). Worked in a variety of projects; mainly on Pricing Engines, Multifactor Models, Hull-White and Monte-Carlo Simulations. Additional projects for UI development and rapid prototyping for in-house web applications (mainly Anvil, Python).

2017-2022
5y

Student Leader (Volunteer)   Obi Laboratory, Tokyo Institute of Technology
Student leader and manager. Handled event scheduling, communication with students, reporting of student progress and other general affairs in the laboratory.

2021-2022
18m   **Student Ambassador (Contract)**   Admissions Section, Tokyo Institute of Technology
Promotional work and blog authorship for the admissions division.

2020-2021
18m   **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.

2019-2020
1y   **Teaching Assistant (Contract)**   GSEP, Tokyo Institute of Technology
Topic introduction, group-work management and progress evaluation.

2018
2m   **Research Assistant (Contract)**   Obi laboratory, Tokyo Institute of Technology
Inter-university project on "Assisting skin cancer macropathological diagnosis using multi-spectral images" in collaboration with Saitama Medical University, Chiba University and Olympus Corporation.

skills
Soft

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

Comm.

public speaking, translation, patient listener

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

courses
2021   The **Complete 2021 Web Development Bootcamp**
organized by App Brewery, Udemy

Google Tag Manager Fundamentals
organized by Analytics Academy, Google

2020   **Machine Learning, Data Science and Deep Learning with Python**
organized by Sundog Education, Udemy

2018   **Programming Boot Camp 2018 [Vue.js, Firebase]**
organized by the Academy of Global Leadership, Yamada Dojo and Guild Works

seminars
2021   The **7th Japan-Russia Joint Forum** for Education and Research
hosted by Tokyo Institute of Technology (Japan) and Moscow State University (Russia)

2019   The 11th workshop CTF for GIRLS: `**Forensics**'
hosted by SECCON (Tokyo, Japan)

2017	**Stanford University's `d.school comes to tokyo tech'** Design Challenge Workshop
	hosted by the Academy of Global Leadership (Tokyo, Japan)
2017	**1st workshop CTF for SchoolGIRLS: `web security and cryptography'**
	hosted by SECCON (Tokyo, Japan)
2015	**The 8th convention of Electrical Engineering Students (ΣΦΗΜΜΥ)**
	hosted by UPatras (Patras, Greece)
	Biomedical Technology.. When Medicine meets Technology!
	hosted by IEEE EMB Greece Chapter (Athens, Greece)
2013	**The 6th Convention of Electrical Engineering Students (ΣΦΗΜΜΥ), `innovation:the answer of modern engineers in modern quandaries'**
	hosted by NTUA (Athens, Greece)
	5th e-Learning Expo `Innovation in education for active citizens'
	hosted by Wide Services (Athens, Greece)
2011	**Application development with Windowsphone**
	hosted by Microsoft (Athens, Greece)

stats

foxelas' GitHub Stats

☆	**Total Stars Earned:**	2
🕐	**Total Commits (2022):**	511
⑃	**Total PRs:**	18

A+