elena aloupogianni

Data/ML Engineer

Japanese Society of

Medical Imaging Technology (JAMIT) (ex-member)

	educat	ion
Eleni (Elena) Aloupogianni Athens 11146, Greece +30 6979608441 eawrk@outlook.com foxelas.github.io	2019-2022 3y	Ph.D. (GPA 3.90/4.50)Tokyo Institute of Science and Technology, Japanin 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)
online cv foxelas.github.io/cv		Funding: Japanese Government (Monbukagakusho: MEXT) Scholarship
10x01d3.git11db.10/07	2017-2019	
foxelas.github.io/ publications	2у	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"
interests machine learning data analysis		Supervisor: Associate Professor Takashi Obi (Ohyama-Obi Laboratory) Funding: Japanese Government (Monbukagakusho: MEXT) Scholarship
biomedical optics	2017 6m	Research student Tokyo Institute of Science and Technology, Japan
image processing high-dimensional data pattern recognition	OIII	Research student Tokyo Institute of Science and Technology, Japan Intensive Japanese language course and preparation for graduate studies
statistical analysis	2011-2016	
predictive modelling data visualization	5у	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
Python, C#, MATLAB R, MS VBA, Kotlin MS SQL, PostgreSQL		Thesis: "Application of the Curvelet Transform on Ultrasound Images of the Carotid Artery" Supervisor: Professor Konstantina Nikita
HTML, Bash	2008-2011	
tools LAT _E X, Git, Docker	3y	High-School Diploma with HonorsGeniko Lykeio Astrous, Arcadia, GreeceScored 19.640 points in nationwide university entrance examination.Award: Eurobank 'Mprosta' Scholarship for top-ranking score.
PyTorch, Tensorflow Visual Studio Android Studio		ence
Google Rest API Anvil, Jekyll	2023-now 1y	Senior Data Science Engineer Interactive Coventry Ltd, UK Al-driven innovation and product development for industrial, EU, UK and SG-
societies Engineering in		funded projects. Focus on generative AI, human-centered engineering, rein- forcement learning, digital twin, predictive modelling, and computer vision.
Medicine and Biology Society (IEEE EMBS) (ex-member)	2023-now 1y	Engineering Consultant Iris Automation, UK

Engineering Consultant Iris Automation, UK Consultation for data science and computer vision. Focus on AI applications for heavy industries and manufacturing.

2017-2022 5y	Systems Engineer 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 test- ing 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 student mentoring and manage- ment, event scheduling, communication management, reporting of student progress and other general affairs in the laboratory.
2020-2021 18m	Teaching Assistant (Contract) Faculty of Health, Saitama Medical University Guidance and assistance in Undergraduate Engineering Workshops (1. Ap- plied 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 TechnologyTopic 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}	
Con	problem-solving, creativity, project management, time management, inter- pretation, translation, teamwork, consistent performance, good at prioritizing tasks, leadership

Comm.

public speaking, adaptability in multicultural environments, patient listener, positive attitude, friendly personality

languages

Greek:	 	Japanese: • • • • O JLPT N2
English:	• • • • • Near-Native	German: • • • • • • Goethe-Zertifikat B2

courses

2021	The Complete 2021 Web Development Bootcamp organized by App Brewery
	Google Tag Manager Fundamentals organized by Google Analytics Academy
2020	Machine Learning, Data Science and Deep Learning with Python organized by Sundog Education
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)