

# Stylianos Zafeiris

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## Education

OCTOBER 2021 - JUNE 2023

**Master of Science Biomedical Engineering**/Interdepartmental International Program,  
Heraklion, Crete

The master program is co-organized by:

- University of Crete, School of Medicine, Department of Computer Science, Department of Material Science and Technology, Heraklion, Greece
- Technical University of Crete, School of Electrical and Computer Engineering, Chania, Greece
- Foundation for Research and Technology – Hellas, Heraklion, Greece

The lectures, examinations and dissertation were conducted in English.

Thesis title: *Developing a Comprehensive Radiomic Analysis Workflow for the Detection of Prostate Cancer Aggressiveness on T2weighted MR Prostate Data*

Thesis committee: Konstantinos Marias, Michalis Zervakis, George Manikis

Thesis grade: **10/10**

GPA Achieved: **9.21/10**

SEPTEMBER 2015 - SEPTEMBER 2020

**Bachelor of Science Electrical and Computer Engineering (Integrated Master)**/School of  
Electrical and Computer Engineering, Technical University of Crete, Chania, Crete

5-year cycle of studies

Thesis title: *Development of Deep Convolutional Neural Networks for the classification of the aortic valve using echocardiographic data*

Thesis committee: Michalis Zervakis, George Chalkiadakis, Konstantinos Marias

Thesis grade: **10/10**

GPA Achieved: **8.59/10**

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## Experience

OCTOBER 2021 – PRESENT

**Full Stack Software Developer**/European Dynamics, Heraklion, Crete

Involvement in e-procurement projects.

**Back-end technologies:** Java • Spring Boot • JSP • Apache Struts 2 • Apache Ant • Maven

**Front-end technologies:** JavaScript • Angular 2+ • PrimeNG

**Database:** Postgresql • Elasticsearch

**Tools:** Docker • Camunda • Git • SVN • Camunda

FEBRUARY 2019 – DECEMBER 2019

FEBRUARY 2020 – SEPTEMBER 2020

**Junior System Administrator (Internship)**/Technical University of Crete, Chania, Crete

Support university faculty. • Troubleshoot hardware and software issues. • Adjusting software configurations. • Providing system administration functions for local and remote systems. • Keeping users informed at all stages of the support cycle. • Monitoring system performance. • Administering system security. • Enforcing system security policies.

MARCH 2020 – JUNE 2020

**Lead Software Developer**/Meet My Farm (Startup), Rethymno, Crete

Design and development of a responsive User Interface (UI) for the website using HTML, CSS, Bootstrap and Javascript technologies. • Design and implementation of the database scheme using MySQL. • Development of a RESTful API using PHP. • Deploy and secure the application.

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## Research Experience

FEBRUARY 2023 – AUGUST 2023

**Research Fellow**/Digital Image and Signal Processing Laboratory, Technical University of Crete, Chania, Crete

Independent contractor role at “DISPLAY” laboratory, supervised by professor Michalis Zervakis. Participated in QuaLiSID project. Conducted research on content recommendation models for individuals with intellectual disability. Developed and co-designed the system’s database. Implemented the back-end of the final system using Python and the frameworks FastAPI and SQLAlchemy. Participate in system’s deployment and debugging. Contributed to the preparation of conference and journal manuscripts.

JANUARY 2022 – APRIL 2022

JUNE 2020 – OCTOBER 2020

**Research Assistant**/Digital Image and Signal Processing Laboratory, Technical University of Crete, Chania, Crete

Student researcher at “DISPLAY” laboratory, supervised by professor Michalis Zervakis. Conducted research on several domains such as: Deep Learning and Convolutional Neural Networks, Digital Image Processing, Classification of Aortic Valve in tricuspid and bicuspid valve configurations using echocardiograms, and 3D Convolutional Neural Networks for video data analysis.

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## Publications

Papadogiorgaki M, Grammalidis N, Grammatikopoulou A, Apostolidis K, Bei ES, Grigoriadis K, **Zafeiris S**, Livanos G, Mezaris V, Zervakis ME. An Integrated Support System for People with Intellectual Disability. *Electronics*. 2023; 12(18):3803. <https://doi.org/10.3390/electronics12183803>

M. Papadogiorgaki, K. Apostolidis, G. Livanos, E. S. Bei, **S. Zafeiris**, A. Klados, V. Mezaris, M. E. Zervakis, "A Content Recommendation Platform for People with Intellectual Disability," *2023 Fourteenth International Conference on Ubiquitous and Future Networks (ICUFN)*, Paris, France, 2023, pp. 49-54, doi: 10.1109/ICUFN57995.2023.10199882

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## Honors and Awards

JANUARY 2022

Scholarship and award from the DEMO Pharmaceuticals Program 'Start Your Journey' to the selected students with high overall GPA and high academic achievements/DEMO Pharmaceutical Company, Athens

OCTOBER 2020

Honor of academic excellence to the student who completed his/her studies in the five-year cycle of studies from the Technical University of Crete (GPA: 8.59/10)/Technical University of Crete, Chania, Crete

OCTOBER 2017

2nd place in the 1st phase of the contest "PRE-SFYMMY"/National Conference of Students of Electrical and Computer Engineering, Xanthi

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## Languages

**Greek**/Native Speaker

**English**/Certificate of Proficiency in English, University of Michigan, USA

**French**/Diplome d' Etude en Langue Francaise Delf B1

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## Skills

**Programming Languages:** Java • Python • Javascript • C • PHP • Kotlin • Matlab • R

**Frameworks:** Java/ Spring Boot, Apache Struts 2 • Python/ PyTorch, Tensorflow, Keras, Fast API, SQLAlchemy ORM • Javascript/ Angular 2+, React, NextJS

**Web development:** HTML • CSS • SASS • Vanilla JS • Bootstrap CSS • PrimeNg • Tailwind CSS

**Tools:** Docker • ElasticSearch • ActiveMQ • Apache Kafka • Camunda • Maven • Apache Ant • Redis

**Version Control Systems:** Git • SVN

**Databases:** PostgreSQL • MySQL

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## Activities

Running • Cycling • Swimming • Hiking • Photography • Travel • Playing Guitar • Blood Donation

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## Letters of Recommendation

Available upon request.

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## Military Obligations

Fulfilled from November 10, 2020 to August 10, 2021.