Ioannis Loudaros | Ιωάννης Λουδάρος

A passionate student of Computer Engineering and Informatics. With extended experience in event management and preeminent academic presence. Having already carried out ambitious endeavours in the fields of Art, Volunteering and Engineering, he is no stranger to challenges. Used to responsibilities, as the PR Person of the IEEE Student Branch of Patras. He is ultimately armed with technical knowledge, as well as, the art of communication and cooperation.

Based in

Athens, Greece

Email

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Phone Number

+30 69 40504030

Languages

Ελληνικά - Μητρική Γλώσσα

English - Michigan Proficiency

Skills

Software

C, C++, Bison, Flex, Java, Swift, Python, MatLab, Javascript, HTML, CSS, PHP, Netlogo, Matlab, SQL, LaTex

Hardware

Verilog, Microprogramming

Foundation

ML

Has worked with

Office Suite, iWork Suite, GSuite,

Git, Xcode, VSCode, bash, zsh

ModelSim, Microwind (μωιηδ)

Adobe Creative Cloud, Final Cut Pro, Motion, Compressor, Vectornator, Pixelmator Pro

 iloudaros

 Ioannis Loudaros

Featured in

The Uni.Times: IEEE Student Branch - University of Patras with Ioannis Loudaros

A small interview about the IEEE SB of the University of Patras. I was the PR Person at the time.

Education

University of Patras, Computer Engineering and Informatics Department
Graduation Pending 2025
Integrated Masters in Computer Engineering and Informatics.

2nd High School of Ilion
Graduated 2018
Graduated with Commendation.

Courses

Arduino essentials

Seminar at the Mediterranean College

MATLAB Onramp

Associated with University of Patras

Experience

Researcher at NTUA Microlab

National Technical University of Athens
2025
Worked on the Agribot project. Created the backbone multi-cloud infrastructure, using Kubernetes and Karmada.

Ancillary Work at NTUA Microlab

National Technical University of Athens
2024
Offered ancillary service in the courses "Microcomputers" and "Digital VLSI".

Ancillary Work at CEID Logic Design Lab

University of Patras
May 2023
Offered ancillary service in the Logic Design Lab, helping students with simple exercises on the topic of Verilog HDL.

Insider (Tour Guide)

Athens Insiders · Part-time (Summer)
Aug 2021 - Present
Designed and executed tours with thematic content.

Freelance Video Editor

Jan 2015 - 2020
Examples such as: "Φροντιστήρια Πουκαμισάς" (Video for the opening of the company's new building) and Beauty Aifel (Instagram promotion Video).

Reception at "Wave Sports" in Thera

Wave Sports
Aug 2016
Reception and preparation of the customers for the maritime activities.

Volunteering

Acting Team

2nd High School of Ilion and University of Patras
Sept 2013 - May 2016 · 3 yrs
Sept 2022 - Aug 2023 · 11 mos

Journalism Team

2nd High School of Ilion
Sept 2013 - May 2015 · 2 yrs

Fundraising, Social, Design Committees

IEEE SB UPatras
May 2019 - Dec 2019 · 8 mos

Secretary / PR Supervisor

IEEE SB UPatras
Dec 2019 - Jun 2021 · 1 yr 7 mos
Member of the executive committee of the branch.
With a really active presence in the organisation and
coordination of many scientific and social events like:
IEEE Day, IEEE Xtreme, Spooktacular Uparty, Google
HashCode Hub etc.

Mentor

IEEE SB UPatras
Jun 2021 - Jun 2022
Responsible for educating the next generation of the
executing committee, as well as providing consulting
when needed.

Projects

You can have access to selected projects listed here and more, by clicking the GitHub link provided on the left side of
the first page.

nomnomr.

Associated with University of Patras - Software
Engineering
A tool for the nights when you wanna kill your friends.
Group orders have never been easier and more fun.

e-ethelodria

Associated with University of Patras - Programming for
the World Wide Web
A crowd sourcing humanitarian aid web app. Created for
the Computer Engineering and Informatics Department of
the University of Patras.

Paralllelll

Associated with University of Patras - Parallel Computing
University Project on the subject of Parallel Computing. It
explores parallelization techniques using OpenMP, MPI, or
a combination of both.

Order

Associated with University of Patras - Advanced
Information Systems
Set of logistic tools that track objects of interest inside of
a building using RFID technology, a mobile app, and QR
Codes.

Hot Sauce

Associated with University of Patras - Principles of
Programming Languages
A simple Lexical and Syntactical Analyser for a C-like
language made with Flex and Bison.

Tourism Analysis using the Eurostat Python
package

Associated with University of Patras
Using data from Eurostat, we get to some conclusions
related to tourism in Greece and Spain.

Publications

Leveraging DVFS for Energy-Efficient and QoS-aware Edge Video Analytics

Associated with University of Patras and NTUA - Diploma
Thesis | Accepted in MECC 2025
This is a paper derived from the early works of my diploma
thesis. We presented a novel scheduling framework for
energy-efficient video analytics at the edge. Experimental
evaluation demonstrates a ~28% improvement in frames
served per joule compared to a baseline with no
scheduler. This outperforms a static batch scheduler (32
frames per batch) by ~15% and a time-triggered
scheduler (batch formation every 200 ms) by ~29%, while
introducing minimal increase in QoS violations (5%)
relative to the best-performing policy.

Energy Efficient Video Analytics on
Heterogeneous Clusters

Associated with University of Patras and NTUA - Diploma
Thesis
This is my diploma thesis on energy-efficient video
analytics on heterogeneous clusters. Using a cluster of
different NVIDIA Jetson boards (Nano, Xavier NX, AGX
Xavier), we showed that it is possible to leverage precise
control over the batch size of the inference and the
frequency of the GPU to answer video analytics queries
while maintaining energy efficiency.

Art Projects

Sound Art Seminar for Music Professors by Panagiotis Vasilellis

The goal of this seminar was to prove that students with no musical studies -but with aesthetics and passion- can create impressive audio experiences. I was the curator of the ambient sounds that tied the individual sounds of the students.

Video for March 25th

Creation of a video that contained historical and cultural information around the anniversary. It was projected at a relevant event.

"Παντού με περιμένουν"

Movie production for the film festival "Steps".

"ΤΙΣΙΣ, ΜΙΑ ΟΝΤΟΤΗΤΑ ΤΗΣ ΘΑΛΑΣΣΑΣ" by Panagiotis Vasilellis

Performance based on sound art and narration. It was part of a sea themed Art Exhibition . It was presented in a gallery in Plaka, Athens. I was the narrator.

Biographical Video for Kiki Dimoula

Biographical video for the biggest greek poetess alive. It contained an exclusive recording of the poem "Dust" by Aristea Papalexandrou.

ΒΑΚΧΕΣ

Experimental version of the known ancient greek tragedy. Played the role of "Tiresias, the prophet."