

ATHANASIOS CHARISOUDIS

NATIONALITY
GREEK

SEX
MALE

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EDUCATION

● KTH Royal Institute of
Technology, Sweden
2021 - 2023 (expected)

● Aristotle University of
Thessaloniki, Greece
2015 - 2021

M.Sc. in Machine Learning

Pursuing this **two-year master's degree** in order to solidify my theoretical background and gain practical experience in the field of Machine Learning, focusing mainly on Computer Vision and Generative Modeling.

Diploma in Electrical & Computer Engineering

FINAL (C)GPA: 8.87/10.00

After transferring my position from the same faculty in Democritus University of Thrace based on academic and financial criteria, I started my Diploma in Aristotle University of Thessaloniki. Successfully completed my thesis regarding Generative Adversarial Networks in July 2021. **Five-year school equivalent to combined BSc and MSc.**

DIPLOMA THESIS

● ISSEL - Aristotle
University of
Thessaloniki, Greece
Aug 2020 - Jul 2021

Generative Adversarial Networks for pose and style selection in fashion design applications

Supervisors: Prof. Pericles Mitkas, Dr. Antonios Chrysopoulos,
Ph.D. Alexandros Kyprianidis

Honored to conduct this research-based thesis in the most active in the machine-learning area lab of my university, ISSEL. In this thesis, we try to implement state-of-the-art GAN architectures to perform realistic image transformations on images of people wearing fashion garments, such as pix2pix, CycleGAN, StyleGAN & MUNIT.

EXPERIENCE

● KTH Royal Institute of
Technology, Stockholm
Feb 2022 - Dec 2022 (exp)

● Eurotechnik Ltd,
Thessaloniki, Greece
Mar 2015 - Nov 2020

● ECESCON 11,
Thessaloniki, Greece
Oct 2018 - Apr 2019

Research Engineer

Supervisor: Prof. Hedvig Kjellström

Got offered this placement in prof. Kjellström's group, at [HiSS Project](#). Main tasks involve modeling causalities in human behavior and interactions.

IT Head - Digital Marketing

Created a custom, fully functional CRM + ERP web-app, using PHP and Laravel. Also created and manage for years `eurotechnik.gr` and its custom-made CMS, also in Laravel. Administered exhibitions in Greece and created all the company graphics from technical drawings to print-ready leaflets.

Backend team Head, IT

Selected as the head of the backend team of the biggest conference of E.C.E. students in Greece with over 5K attendees. We created the `sfhmy.gr` website, a custom CMS and a REST API in PHP and Laravel and setup the server to handle the huge traffic of the conference days.

PROGRAMMING SKILLS

VERY STRONG

- PYTHON** - Deep Learning (PyTorch), Test-driven Development (TDD), Servers setup and management, ROS, Systems Programming
- MATLAB** - Deep Learning (R2020 DL Toolbox), Robotics (Peter Corke Toolbox), Fuzzy Systems, Audio Coding, Adaptive Signal Processing, Control Systems
- PHP** - Strong experience developing PHP + Laravel apps on LAMP stacks
- MySQL** - Created & managed production-ready DB schemas for eurotechnik.gr, admin.eurotechnik.gr, ECESCON 11 and Labyrinth (course project)
- GIT** - Over 600 contributions / year the last 3 years on private and public repositories

STRONG

- C** - Parallel Systems Programming (PTHREADS, OpenMP, MPI), UNIX Systems Programming
- JAVA** - Networks Programming (UDP, TCP Sockets, NIO), Algorithms & Data Structures

MEDIUM

- ASSEMBLY** - MIPS32, ATMEL AVR, ARMv6

PROJECTS & ACHIEVEMENTS

NOTABLE PROJECTS

EUROTECHNIK CRM + ERP

2015-2019 | Eurotechnik Ltd

Complete CRM + ERP developed in PHP on top of Laravel framework. Deployed on an initially unmanaged dedicated server. Last addition was the automated bid-creation subsystem that uses AI for prediction.

AD-HOC P2P NETWORK WITH RASPBERRY PI'S

2019 | Course Project

A threaded C99 app was developed as the semester project in the course "Embedded Systems" taught by prof. Nikos Pitsianis. [Link to project]

AAC CODEC IN MATLAB

2019 | Course Project

A 3-stage AAC audio codec was developed in MATLAB in the course "Multimedia Systems and Virtual Reality" taught by prof. Anastasios Delopoulos. [Link to project]

CERTIFICATIONS

GANs Specialization (2020, Coursera) - 3-course specialization on GANs [Link to certificate]

IEEEExtreme 10.0 (2016, IEEE) - Finished 729 out of 2500

C2 Proficiency in English (2009, University of Michigan) - overall grade of B [Link to results]

REFERENCES

alphabetical order

Prof. Alkis Hatzopoulos

Professor at E.C.E. Department Aristotle University
IEEE Chair of CASS Chapter

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