

BILL PSOMAS

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EXPERIENCE

Computer Vision Engineer

Metargus

📅 Dec 2020 — now 📍 Athens, GR

- Working on Computer Vision based Sport Analytics.
- Object Detection, Action Recognition, Video Production.

Research Intern

Linkmedia Team, Inria Rennes Bretagne-Atlantique

📅 Feb 2020 – June 2020 📍 Rennes, FR

- Worked on Metric Learning using PyTorch.
- Supervised by Research Scientist Yannis Avrithis.

Research Associate

Athena Research and Innovation Center

📅 Sept 2019 — Feb 2020 📍 Athens, GR

- Developed a Plant Identification App using Tensorflow.
- Supervised by Research Director Vassilis Katsouros.

Software Developer

MaP Ltd.

📅 Mar 2018 — Jul 2019 📍 Athens, GR

- Developed an optical coordinate recognition and drawing system.
- Implemented CNNs for face and license plate detection and censoring.
- Developed the CrossClimate web map application.

HONORS & AWARDS

- 2021 Mentor at NASA Space Apps Challenge 2021 Supported and guided teams. *NASA, virtual*
- 2021 Certificate of participation in the ELLIS Doctoral Symposium 2021. *ELLIS, Tübingen, DE*
- 2021 Certificate of participation in the PRAIRIE / MIAI Artificial Intelligence Summer School. *PRAIRIE / MIAI, virtual*
- 2019 Industry 4.0 Crowdhackathon Finalist Smart Glasses Application. *SEV, Athens, GR*
- 2019 ESA Space App Camp Finalist AI generated multiplayer mini-games. *ESA ESRIN, Frascati, IT*
- 2018 3rd place in Copernicus Hackathon in Athens VR Video Game using Copernicus data. *ESA, Athens, GR*

CERTIFICATIONS

- 2020 Deep Learning with Pytorch: Build a Neural Network. *Coursera*
- 2020 Intro to Deep Learning with Pytorch. *Facebook*
- 2019 Convolutional Neural Networks in Tensorflow. *Coursera*
- 2019 Natural Language Processing in Tensorflow. *Coursera*
- 2019 Introduction to Tensorflow for AI, ML and DL. *Coursera*

PUBLICATIONS

- 2021 It Takes Two to Tango: Mixup for Deep Metric Learning Improving representations using mixup. *ICLR 2022 (review)*
- 2021 Deep Learning For Spatial Resolution Enhancement in Satellite Remote Sensing. *IEEE Geoscience & Remote Sensing Magazine (review)*

EDUCATION

PhD in Deep Learning for Computer Vision

National Technical University of Athens

📅 Oct 2020 – now 📍 Athens, GR

- Working on Representation Learning

MSc in Data Science and Information Technologies

National Kapodistrian University of Athens

📅 Oct 2018 – Sep 2020 📍 Athens, GR

- GPA: 9.6/10
- Internship: Linkmedia Team Inria Rennes
- Thesis: Metric Learning: A Deep Dive

Diploma in Rural and Surveying Engineering

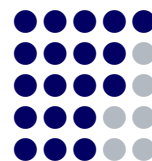
National Technical University of Athens

📅 Sept 2012 – Feb 2018 📍 Athens, GR

- GPA: 7.38/10
- Remote Sensing Lab NTUA
- Thesis: Investigation of Greek Character Automatic Recognition Methods in Ancient Epigraphic Images

PROGRAMMING SKILLS

Python
Pytorch, Tensorflow, Keras
PowerShell, Bash/Zsh
HTML, CSS, Javascript
C++



TECHNICAL SKILLS

Deep Learning Computer Vision
Research Data Science
Web Development Remote Sensing

SOFT SKILLS

Learning Potential Team Work
Creativity Problem Solving

LANGUAGES

Greek
English
German

