

BILL PSOMAS

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EXPERIENCE

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.

Space App Camp Finalist

ESRIN, European Space Agency

📅 Sept 2019 – Sept 2019 📍 Frascati, IT

- Member of the Exerve (Explore + Observe) team.
- Exerve was a series of AI generated mini-games using Copernicus data in a creative way that gives the opportunity to the user to have fun and be educated.

Software Developer

MaP Ltd.

📅 Mar 2018 – Jul 2019 📍 Athens, GR

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

PROJECTS

🖼 **CNN Domain Generalization from Photos to Sketches**
Worked with Pytorch on zero-shot sketch recognition problem. ImageNet photos were transformed to sketches and the results of a network trained on them were compared to another one trained on authentic sketches of TUBerlin dataset.

📦 **Smart Glasses Application in “Industry 4.0 Crowdhackathon”**
Member of the finalist 1UP team that made its custom 3D printed Smart Glasses using Raspberry Pi Zero and developed an app in order to improve productivity and reduce errors in warehouses.

📄 **Implementation of the Paper “Learning Deconvolution Network for Semantic Segmentation**
Worked with Pytorch on the Semantic Segmentation of the PASCAL VOC 2012 dataset.

🚦 **Traffic Signs Classification**
Worked with TensorFlow to automatically classify the 43 classes of the German Traffic Signs Dataset.

🎮 **VR Video Game using Copernicus data**
Won the 3rd Prize at ESA Copernicus Hackathon in Athens

EDUCATION

PhD in Deep Learning for Computer Vision

National Technical University of Athens

📅 Oct 2020 – now 📍 Athens, GR

MSc in Data Science and Information Technologies

National Kapodistrian University of Athens

📅 Oct 2018 – Sep 2020 📍 Athens, GR

- GPA: 9.6/10
- Linkmedia Team INRIA
- 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 ●●●●●●
Numpy, Scipy, OpenCV, Pillow ●●●●●●
HTML, CSS, Javascript ●●●●●●
C++ ●●●●●●
PowerShell, Bash ●●●●●●

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 ●●●●●●