
DIMITRIOS DAGDILELIS

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[DTU Orbit profile](#)

Profile

Soon to graduate PhD in Robotics. Foundations in AI product development. Hands-on engineer, comfortable working in proximity to where real data are generated.

Previous employment

Research Developer in ShippingLab @ GreenHopper Project

Denmark's Technical University — July 2020 - Present

- Responsible for designing a 3D Perception S/W stack.
- Data experiment design
- ML tools and systems for containerisation, orchestration, data processing and inference pipelines.
- Developed SOTA end-to-end DL multi-modal models.
- Through MLOps/DevOps practices effectively bridged the gap between research, prototyping and S/W releases and closed the loop between model drift, data collection and model re-deployment.

Education

PhD candidate

“Cyber-resilient navigation at coastal waters”

Denmark's Technical University — July 2020 - Present

Heterogeneous multi-view & multi-modal temporal data fusion. Camera-based Bird-Eye-View scene segmentation, object tracking and fusion. Transformer based Vision Models. Data-driven anomaly detection.

MSc Electrical Engineering

Study line: Automation & Robot Technology

Denmark's Technical University — Sept. 2018 - June 2020

Specialisation in sensor-fusion within maritime navigation systems. Vessel tracking through Radar-Camera fusion.

Diploma in Electrical Engineering - Power Systems

Aristotle University of Thessaloniki

Research span

Bayesian estimation, ML anomaly detection, Multiple-object tracking, Multi-modal sensor fusion, Deep Learning in Computer Vision. Large Vision Models, Transformer architectures, Large Datasets.

Software & IT skills

Docker, Google Cloud, ROS, GIT, K8s, Ansible, HPC, Postgres, MongoDB

ML: Python, PyTorch, Pytorch-Lightning, TorchVision, OpenCV, Scikit-Learn, Wandb, ClearML, MLFlow, FiftyOne
