# Simone Angarano

PhD Candidate in Machine Learning

I like doing research to create efficient deep learning models for robot perception, control, and decision-making.

simoneangar@gmail.com

Turin, Italy

linkedin.com/in/simoneangarano

github.com/simoneangarano

## WORK EXPERIENCE

### AI Research Expert
EU Joint Research Commission

*03/2024 - 12/2024*      *Brussels, Belgium*
joint-research-centre.ec.europa.eu

*Achievements/Tasks*
- AIACS Project - Drought forecasting from atmospheric data

### Visiting Researcher
University of Texas at Austin

*09/2023 - 06/2024*      *Austin, TX, USA*
vita-group.github.io

*Topic*
- Efficient vision-language models

### Research Fellow
Politecnico di Torino - Interdepartmental Centre for Service Robotics (PIC4SeR)

*03/2020 - 11/2021*      *Torino, Italy*
pic4ser.polito.it

*Achievements/Tasks*
- Efficient Deep Learning for robotics

## EDUCATION

### PhD in Machine Learning
Politecnico di Torino - Interdepartmental Centre for Service Robotics (PIC4SeR)

*11/2021 - Present*      *Torino, Italy*
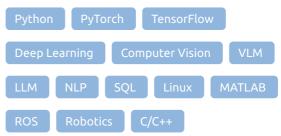
*Thesis*
- Efficient and Robust Deep Learning for Robot Perception

### MSc in Mechatronic Engineer
Politecnico di Torino

*10/2018 - 10/2020*      *Torino, Italy*

*Score*
- 110/110 cum Laude

## TECHNICAL SKILLS

Python   PyTorch   TensorFlow

Deep Learning   Computer Vision   VLM

LLM   NLP   SQL   Linux   MATLAB

ROS   Robotics   C/C++

## SELECTED PUBLICATIONS

Domain Generalization for Segmentation with Standardized Ensemble Knowledge Distillation (2024)
- Published at CVPR

Back-to-bones: Rediscovering the Role of Backbones in Domain Generalization (2024)
- Published on Pattern Recognition (Elsevier)

A Multi-service Edge-AI Architecture based on Self-supervised Learning (2024)
- Published at the International Astronautical Congress

Generative Adversarial Super-resolution at the Edge with Knowledge Distillation (2022)
- Published on Engineering Applications of Artificial Intelligence (Elsevier)

Action Transformer: A Self-Attention Model for Short-Time Human Action Recognition (2021)
- Published on Pattern Recognition (Elsevier)

## LANGUAGES

English
*Full Professional Proficiency*

Italiano
*Native or Bilingual Proficiency*

## INTERESTS

Drums   Hiking   Choir   Soccer

Beach Volley   Board Games