Gabriele Goletto

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Introduction

I am a third year PhD student in Computer Vision at the Polytechnic University of Turin supervised by Professor Barbara Caputo. I am interested in egocentric long video understanding and eager to expand my knowledge.

Education

University of Bristol — Bristol, UK
*ELLIS PhD Visiting Exchange, supervised by Professor **Dima Damen***
Topic: Long-form egocentric video understanding
Jan 2023 – Jul 2023

Polytechnic University of Turin — Turin, Italy
*PhD in Computer Science, supervised by Professor **Barbara Caputo***
Topic: Low-footprint online egocentric video understanding
Jan 2022 – ongoing

Polytechnic University of Turin & Polytechnic University of Milan — Turin & Milan, Italy
Master of Science in Data Science and Engineering - Final Grade: 110 Cum Laude / 110
*Supervised by Professor **Barbara Caputo** & Professor **Matteo Matteucci***
Oct 2019 – Oct 2021

Polytechnic University of Turin — Turin, Italy
Bachelor of Science in Computer Engineering - Final Grade: 110 Cum Laude / 110
Oct 2016 – Sept 2019

Research Experience

Focoos AI — Turin, Italy
*Industrial internship, supervised by **Fabio Cermelli***
Topic: Multi-Object Tracking
May 2024 – Nov 2024

Polytechnic University of Turin — Turin, Italy
*Collaborator in the **research contract between PoliTO and Sony Europe B.V***
Topic: Object Detection
Sept 2021 – Sept 2022

Selected Publications & Awards

- **Gabriele Goletto**, T. Nagarajan, G. Averta, and D. Damen, "AMEGO: Active Memory From Long EGOcentric Videos", in ECCV 2024 (Top Conference). [**Paper**] [**Page**]
  Proposing a semantic-free representation of all interacting objects and locations in a long egocentric video.
- C. Plizzari*, **Gabriele Goletto***, A. Furnari*, S. Bansal*, F. Ragusa*, G.M. Farinella, D. Damen, T. Tommasi, "An Outlook into the Future of Egocentric Vision", IJCV 2024 (Q1 Journal). [**Paper**][**Page**]
  Envisioning an ambitious future and analysing the current status of egocentric vision.
- **G. Goletto***, M. Planamente*, B. Caputo, and G. Averta , "Bringing Online Egocentric Action Recognition into the wild", in Robotics and Automation Letters (RA-L) 2023 (Q1 Journal). [**Paper**] [**Page**]
  Benchmarking action recognition models against real-world challenges and proposing a real-time inference pipeline.
- C. Plizzari, M. Planamente, **Gabriele Goletto**, M. Cannici, E. Gusso, M. Matteucci, and B. Caputo, "E^2(GO)MOTION: Motion augmented event stream for egocentric action recognition", in CVPR 2022 (Top Conference). [**Paper**] [**Dataset**]
  Proposing an event extension of the Epic-Kitchens dataset and testing the performance of the event data in the egocentric action recognition setting both in a multi-modal and uni-modal fashion.
- M. Planamente, **Gabriele Goletto**, G. Trivigno, G. Averta, and B. Caputo, "PoliTO-IIT-CINI Submission to the EPIC-KITCHENS-100 Unsupervised Domain Adaptation Challenge for Action Recognition", in Tenth International Workshop on Egocentric Perception, Interaction and Computing @ CVPR 2022 (workshop). [**Paper**]
  Achieving 3rd position in the Unsupervised Domain Adaptation Challenge for Action Recognition on **Epic-Kitchens**

Technical Skills

Programming Languages : Python, C, R, Java, JavaScript
Frameworks & Libraries : PyTorch, Tensorflow, NumPy, Pandas, React.js