

Carlo Bretti

PHD CANDIDATE

Amsterdam, Netherlands

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Experience

University of Amsterdam

Amsterdam, Netherlands

PHD CANDIDATE, MULTIMEDIA ANALYTICS LAB (MULTIX)

Sep. 2022 - currently

- Computer vision for film analysis and production
- Collaboration between the University of Amsterdam and Kaspar AI, supervised by dr. Nanne van Noord and dr. Pascal Mettes.

University of Amsterdam

Amsterdam, Netherlands

RESEARCH OFFICER, VISION AND IMAGE SENSE LAB

Feb. 2022 - Aug. 2022

- Currently working on video summarization for movies and TV shows, with the goal of aiding trailer and promo production.
- Combining visual and semantic information from content to identify trailer-worthy scenes.
- Joint public-private project between the University of Amsterdam and RTL, supervised by dr. Pascal Mettes and dr. Daan Odijk, respectively.

VICE Media

Amsterdam, Netherlands

DATA & INSIGHTS INTERN

Jan. 2020 - Jun. 2020

- Survey building, reporting, data cleaning, analysis, and visualization using Excel, SPSS Statistics, and Google Dashboard
- Wrote a VBA macro to speed up data cleaning practices.
- Web scraping for task automation.

Education

University of Amsterdam

Amsterdam, Netherlands

MSc IN INFORMATION STUDIES - DATA SCIENCE TRACK

Sep. 2020 - Jul. 2021

- Wrote my thesis on [zero-shot action recognition using compositions of objects and scenes](#), under the supervision of dr. Pascal Mettes
- Graduated cum laude and extracted paper accepted at BMVC 2021.

University of Amsterdam

Amsterdam, Netherlands

BSc IN COMMUNICATION SCIENCE

Sep. 2017 - Jun. 2020

- Completed a minor in Data Science and AI, interned at VICE Media working on data analytics
- Majored in Persuasive communication and graduated with honors

Skills

Programming Python, R, LaTeX

Machine/Deep Learning PyTorch (Lightning), Hydra, sklearn, numpy

Data SQL, Tableau, Google Data Studio

Languages English, Italian, French

Certifications

2021 **Coursera Certificate**, Mathematics for machine learning: Linear Algebra

2021 **Coursera Certificate**, Mathematics for machine learning: Multivariate Calculus

Publications

CONFERENCE PROCEEDINGS

Carlo Bretti and Pascal Mettes. ["Zero-Shot Action Recognition from Diverse Object-Scene Compositions"](#). In: *British Machine Vision Conference (BMVC)*, 2021.