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Education

- 2024 **PhD in Machine Learning, KU Leuven, Belgium**
[VISICS lab](#) within ESAT-PSI supervised by [Prof. Tinne Tuytelaars](#) & [Prof. Marie-Francine Moens](#)
 - Multimodal Machine Learning master theses supervisor: e.g., “Image Captioning with Reinforcement Learning”
 - Computer Vision projects teaching assistant: e.g., “Social distancing & mask wearing monitoring system”
- 2019 **Master of Artificial Intelligence, KU Leuven, Belgium**
 - Graduated with distinction (Cum Laude); Master thesis: Cross-modal text-image retrieval [[Code](#)]
 - Co-curricularly achieved > 5k [Stack Overflow](#) reputation (top 7% overall)
- 2017 **Bachelor in Computer Science and Engineering, FINKI, Macedonia**

Relevant Working Experience

- June 2024– **Research Associate, [VISICS Lab](#), KU Leuven, Belgium**
Present ○ Enabling Language Models to understand multimodal data: e.g., images, videos, audio, etc.
- Nov. 2023– **Machine Learning Research Consultant, [NEC Labs](#), Remote**
Present ○ Consulting on Large Language Models (LLM)-related projects at the [Human-Centric AI group](#)
- Oct. 2022– **Machine Learning Research Intern, [NEC Labs](#), Heidelberg, Germany**
- Feb. 2023 ○ Developed benchmark dataset & state-of-the-art models for grounding text to knowledge graphs
○ Published at EMNLP 2023; see publications
- Nov. 2018– **Machine Learning Research Intern, [IBM Research](#), Zurich, Switzerland**
- Mar. 2019 ○ Predicting chronic kidney failure 12 months upfront in HIV diseased patients
○ Published at the Journal of Infectious Diseases (h-index 261 [[Link](#)]); see publications
- Jun. 2018– **Machine Learning Engineering Intern, [Luminovo](#), Munich, Germany**
- Oct. 2018 ○ Nudity detection with Deep Learning – filtering explicit movie scenes

Selected First-Author Publications

- 2024 **Estimating Calibration Error Under Label Shift Without Labels, [[Paper](#)]**
○ Under review.
- 2023 **Linking Surface Facts to Large-Scale Knowledge Graphs, [[Paper](#)] [[Code](#)]**
○ Empirical Methods in Natural Language Processing (**EMNLP**); ~23.3% acceptance rate
- 2023 **Multimodal Distillation for Egocentric Action Recognition, [[Paper](#)] [[Code](#)] [[Video](#)]**
○ International Conference on Computer Vision (**ICCV**); ~26.2% acceptance rate
○ Spotlight presentation – **Ego4D** workshop (within **ECCV**) [[Paper](#)]
- 2022 **Multimodal AI approach for Intuitively Instructable Autonomous Vehicles, [[Paper](#)] [[Video](#)]**
○ Best paper award – International Conference on Autonomic & Autonomous Systems (**ICAS**)
- 2021 **Revisiting Spatio-Temporal Layouts for Compositional Action Recognition, [[Paper](#)] [[Code](#)] [[Video](#)]**
○ Oral presentation – British Machine Vision Conference (**BMVC**); ~3.5% of all papers
- 2021 **Individual Prediction of Chronic Kidney Disease in People Living With HIV, [[Paper](#)]**
○ **The Journal of Infectious Diseases** (h-index of 261 [[Link](#)])
- 2020 **Decoding Language Spatial Relations to 2D Spatial Arrangements, [[Paper](#)] [[Code](#)] [[Video](#)]**
○ **Findings of EMNLP**; ~20% acceptance rate;
- 2020 **Learning to Ground Medical Text in a 3D Human Atlas, [[Paper](#)] [[Code](#)]**
○ Conference on Computational Natural Language Learning (**CoNLL**); ~23% acceptance rate