

Martin Nicolas EVERAERT

Research: Computer Vision and Generative AI, with a focus on Text-to-Image Diffusion Models.

EDUCATION



ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE (EPFL, SWITZERLAND)

PhD candidate in the Image and Visual Representation Lab (IVRL)

2021 - Now

MS degree in Computer Science

2019 - 2021



CENTRALESUPÉLEC (PARIS-SACLAY), BS/MS degree in engineering

Supélec engineering curriculum, admitted through national competitive exam

2017 - 2021



PARIS-SUD UNIVERSITY, BS degree in Fundamental Physics

Evening courses in addition to courses at CentraleSupélec

2017 - 2018



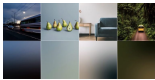
LYCÉE SAINT LOUIS (PARIS), MPSI/MP*

Mathematics, Physics, Engineering Sciences, Computer Science

2015 - 2017

Intensive 2-year program preparing for top French engineering school exams

PUBLICATIONS and ACADEMIC ACTIVITIES



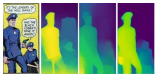
M. N. Everaert, A. Fitsios, M. Bocchio, S. Arpa, S. Sússtrunk and R. Achanta. "Exploiting the Signal-Leak Bias in Diffusion Models", *WACV 2024*.



M. N. Everaert, M. Bocchio, S. Arpa, S. Sússtrunk and R. Achanta. "VETIM: Expanding the Vocabulary of Text-to-Image Models only with Text", *BMVC 2023*.



M. N. Everaert, M. Bocchio, S. Arpa, S. Sússtrunk and R. Achanta. "Diffusion in Style", *Patent filled + ICCV 2023*.



D. Bhattacharjee, **M. N. Everaert**, M. Salzmann, and S. Sússtrunk. "Estimating Image Depth in the Comics Domain", *WACV 2022*.



A. P. Dherse*, **M. N. Everaert***, and J. J. Gwizdała*. "Scene relighting with illumination estimation in the latent space on an encoder-decoder scheme", *arXiv preprint 2006.02333, 2020*.

Supervision of MS and BS students: Semester/research projects (Fall 2022, Spring 2023, Fall 2023, Spring 2024), ML4Science project (Fall 2022), Computational Photography projects (Spring 2022, Spring 2023, Spring 2024).

Teaching Assistant (TA): Numerical Methods for Visual Computing and Machine Learning (BS level, Fall 2021, Fall 2023), Computational Photography (MS level, Spring 2022, Spring 2023, Spring 2024).

Live academic talks: Candidacy exam (2022), AI Tinkerers Lausanne Inaugural Meetup (2024).

Poster presentations: ICCV 2023, BMVC 2023, WACV 2024 (virtually), EDIC Open House 2024, ICVSS 2024 (incoming), ICCP 2024 (incoming).

Reviewer for ICCV 2023, ECCV 2024 and NeurIPS 2024 (incoming), **emergency reviewer** for BMVC 2023 and ECCV 2024.

Social Media Chair of ICCP 2024.

Awards: EDIC PhD fellowship (2021), TA Award for teaching excellence from EPFL Computer and Communication Sciences (2023).

INTERNSHIPS



THALES LAS (ÉLANCOURT, FRANCE), Master project in the industry

Classification of objects on hyperspectral images with Deep Learning techniques

2021

6 months at Thales Land and Air Systems in Élancourt, France



SACLAY NUCLEAR RESEARCH CENTER (FRANCE), Internship

Automatic rule base verification in a fuzzy expert system

2019

3 months at CEA Paris-Saclay (Paris-Saclay Nuclear Research Center)



TCL (CHENGDU, CHINA), Work internship

TV assembly tasks in a TCL plant

2018

1 month at TCL (Chengdu, China)