

ELIA PERUZZO

elia.peruzzo@gmail.com ♦ [website](#) ♦ [github](#) ♦ [linkedin](#)

EDUCATION

PhD Student, University of Trento, MHUG Group Nov. 2020 - Now

Supervisor: Niculae Sebe,

Topic: Image and Video Generation, Non-photorealistic Rendering, Image Manipulation

Location: Trento, Italy

Master's Degree in Communication Engineering 2018 - 2019

National Taiwan University

Thesis: *Lossy and Lossless Compression of Binary Images Using Improved Adaptive Arithmetic Coding*

Supervisor: Jian-Jiun Ding, Giancarlo Calvagno

Master's Degree in Information and Communications Technology 2017 - 2019

Università degli Studi di Padova

Score: 110 / 110 with honors

Bachelor's Degree in Information Engineering 2014 - 2017

Università degli Studi di Padova

Score: 110 / 110

ACHIEVEMENTS

Dual-Degree program 2018 - 2019

Selected for Dual-Degree program between Università degli Studi di Padova (DEI Department) and National Taiwan University (GICE Department).

EXPERIENCE

Research Scientist Intern, Picsart AI Research Oct. 2022 - Feb. 2023

Supervisor: Humphrey Shi, Atlas Wang

Topic: Image and Video Generation

Location: New York, US

Teacher Assistant, University of Trento Feb. 2023 - June 2023

Topic: Introduction to Machine Learning

Location: Trento, Italy

Data Scientist, SAS Institute, AI Team Europe Nov. 2019 - Nov. 2020

Supervisor: Cristina Conti,

Topic: Medical Image Processing

Location: Milan, Italy

Research Assistant, National Taiwan University, DISP Lab. Sept. 2018 - June 2019

Supervisor: Jian-Jiun Ding,

Topic: Image and Video Compression

Location: Taipei, Taiwan

PUBLICATIONS

Peruzzo, E., Sangineto, E., Liu, Y., Spatial Entropy regularization for Vision Transformer, arxiv preprint

Ayorinde, J.O., Citterio, F., Landrò, M, Peruzzo, E., *et. al.* , Artificial Intelligence You Can Trust: What Matters Beyond Performance When Applying Artificial Intelligence to Renal Histopathology?, Journal of the American Society of Nephrology, 2022.

Peruzzo, E., Jian-Jiun, D. Morphological residue encoding and piecewise approximation techniques for lossless binary image compression., APCCAS. IEEE, 2019.

SKILLS

Languages	Python, MatLab
Frameworks	Pytorch, OpenCV
Tools	Git, Docker, AWS