



Yasser Benigmim

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EXPERIENCE

Research Intern INRIA

October 2024 - March 2025
Paris

Proposed a method to identify and fuse specialized text templates for open-vocabulary semantic segmentation, surpassing naive template-averaging in the CLIP text classifier without requiring training or labels.

· Supervisor: Raoul de Charette

Research Engineer Ecole Polytechnique

February 2020 - August 2021
Paris

· Forecasting patient arrival flow across all Paris emergency sites using Deep Learning.

Machine Learning Intern AMADEUS

July 2019 - December 2019
Sophia Antipolis

· Development of neural networks for payment configuration prediction and uncertainty quantification via MC Dropout.

EDUCATION

Telecom Paris PhD Candidate in Computer Vision

September 2021-Now

Working on the adaptation of neural networks to new visual environments in a data-scarce regime for dense prediction tasks such as Semantic Segmentation.

Supervisors: Stéphane Lathuilière, Vicky Kalogeiton and Slim Essid

EURECOM 1-year exchange program, Data Science (GPA : 3.94/4)

September 2018 - June 2019

Ecole des Mines de Saint-Étienne Master of engineering, computer science and microelectronics

September 2016 - June 2018

CPGE Claude Fauriel Two-year undergraduate intensive courses in mathematics and physics. (MPSI-MP*)

September 2014 - June 2016

PUBLICATIONS

- Y. Benigmim, M. Fahes, A. Bursuc, T.H Vu, R. De Charette, "FLOSS: Free Lunch in Open-vocabulary Semantic Segmentation", *arXiv:2504.10487*
- Y. Benigmim, S. Roy, I.E Marouf, S. Essid, V. Kalogeiton, and S. Lathuilière, "Make me an Expert: Distilling from Generalist Black-Box Models for Semantic Segmentation", *in-review*
- Y. Benigmim, S. Roy, S. Essid, V. Kalogeiton, and S. Lathuilière, "Collaborating Foundation models for Domain Generalized Semantic Segmentation", *in CVPR 2024*
- Y. Benigmim, S. Roy, S. Essid, V. Kalogeiton, and S. Lathuilière, "One-shot Unsupervised Domain Adaptation with Personalized Diffusion Models", *in CVPR-W 2023 (Generative Models for Computer Vision)*.

ACADEMIC SERVICES

- **Teaching:** Teaching Assistant for Deep Learning and Computer Vision courses at Telecom Paris (Deep Learning (SD309), Linear Models (SD-TSIA204)) and Ecole Polytechnique (Computer Vision (INF649), Advanced Deep Learning (INF581A))
- **Reviewing:** CVPR'25 (Outstanding Reviewer), NeurIPS'25, ICCV'25, CVPR'24, ECCV'24, ACCV'22, ICASSP'22 '23, ICIP'22 IEEE and Transactions on Multimedia.

SKILLS

- **Programming Languages:** Python
- **Tools & Frameworks:** SLURM, Git, LaTeX, Inkscape
- **Deep Learning:** PyTorch, MMSegmentation, MMEEngine, Wandb
- **Languages:** English (Fluent), French (Fluent), Arabic (Native), Spanish (Beginner)

REFERENCES

Dr. Stéphane Lathuilière - INRIA Grenoble - [Email](#) - [Website](#)

Dr. Vicky Kalogeiton - Ecole Polytechnique - [Email](#) - [Website](#)

Dr. Slim ESSID - NVIDIA - [Email](#) - [Website](#)

Dr. Raoul de Charette - INRIA Paris - [Email](#) - [Website](#)