

Valade Florian

Seeking a Research Position

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EDUCATION

Université Gustave Eiffel PhD in efficiency of Deep Learning Algorithms	Paris, France 2022–Present
ECE Paris Master's Degree in Computer Science, Big Data and Machine Learning	Paris, France 2021
Lycée L'Espérance High School Diploma in Science	Paris, France 2015

PUBLICATIONS

- EERO: Early Exit with Reject Option (2024) Under Review at AISTATS
- Research on statistical techniques for optimizing early exit mechanisms in classification tasks
- Accelerating Large Language Model Inference with Self-Supervised Early Exits (2024)
- Extension of early exit techniques to Large Language Models for efficient inference optimization

EXPERIENCE

Fujitsu - Université Gustave Eiffel PhD Candidate, Research Engineer	Paris, France 2022–Present
<ul style="list-style-type: none">– Subject: Optimization of deep learning algorithms for recognition on embedded cameras. Using Statistical Techniques on Early Exit.– Training and fine-tuning of Large Language Models.– Management of servers with multiple GPUs for training and inference.	
Fujitsu Data Scientist	Paris, France 2021–2022
<ul style="list-style-type: none">– Development and management of projects in computer vision and deep learning.	
Fujitsu - ECE Paris Data Scientist Apprentice, specialized in Computer Vision	Paris, France 2018–2021
<ul style="list-style-type: none">– Training and application of computer vision and machine learning techniques.	
Fujitsu Data Scientist Intern	Paris, France April 2018–Sept. 2018
<ul style="list-style-type: none">– Development of demonstrations in deep learning.	

SKILLS

- **Programming Languages:** Python, Java, C#, C, SQL
- **Frameworks and Tools:** Pytorch, Tensorflow, Docker, Git, JAX, MLX
- **Development and Systems:** Front End with React, DevOps, Network, Distributed Computing, Cyber Security, System Administration
- **Languages:** English (Fluent), French (Native), Spanish (Intermediate)
- **Soft Skills:** Curiosity, Problem Solving, Communication

PROJECTS

- FreshDetect (PyTorch and Docker, 2022)
 - Data scientist
 - Development of an end-to-end solution for real-time classification of fruits and vegetables in supermarkets using deep learning. Full integration with store systems through containerized microservices.
- Handterpret (Tensorflow and electronics, 2020)
 - Project Manager for end-of-study project
 - Detection of hand position using infrared sensors on the wrist
- AutoCradle (Tensorflow and electronics, 2017)
 - Team project
 - Automatic detection of baby cries to activate the rocking of the cradle