

Valade Florian

Seeking a Research Position

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EDUCATION

University 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
L'Espérance High School High School Diploma in Science	Paris, France 2015

PUBLICATIONS

- EERO: Early Exit with Reject Option (2025)
- Research on statistical techniques for optimizing early exit mechanisms in classification tasks. Accepted at UAI 2025
- 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 - University Gustave Eiffel PhD Candidate, Research Engineer	Paris, France 2022 – Present
<ul style="list-style-type: none">– Optimizing deep learning algorithms for recognition on embedded cameras using statistical techniques on Early Exit.– Training and fine-tuning Large Language Models.– Created multiple internal projects to improve workflows of collaborators using LLMs, fine-tuning, computer vision and data curation/validation.– Managing servers with multiple GPUs for training and inference.– Taught Computer Vision and Natural Language Processing (NLP) classes to Master 2 students.	
Fujitsu Data Scientist	Paris, France 2021 – 2022
<ul style="list-style-type: none">– Developed and managed 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">– Trained and applied computer vision and machine learning techniques.	
Fujitsu Data Scientist Intern	Paris, France April 2018 – Sept. 2018
<ul style="list-style-type: none">– Developed 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, Collaboration, Team Work

PROJECTS

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