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Valade Florian

Seeking a Research Position

EDUCATION

University Gustave Eiffel

PhD in Efficiency of Deep Learning Algorithms

Paris, France

2022 – Jan. 2026 (defended)

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.

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 – Jan. 2026 (PhD defended)

- 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

- Developed and managed projects in computer vision and deep learning.

Fujitsu - ECE Paris

Data Scientist Apprentice, Specialized in Computer Vision

Paris, France

2018 – 2021

- Trained and applied computer vision and machine learning techniques.

Fujitsu

Data Scientist Intern

Paris, France

April 2018 – Sept. 2018

- 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.