Email: florian_val@outlook.fr
Phone: +33 6 17 57 19 12
LinkedIn: florian-valade
GitHub: github.com/FlorianVal
Website: fvalade.fr

Valade Florian

Seeking a Research Position

Education

Université Gustave Eiffel — Paris, France
PhD in Efficiency of Deep Learning Algorithms — 2022 – Present

ECE Paris — Paris, France
Master's Degree in Computer Science, Big Data and Machine Learning — 2021

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

Publications

EERO: Early Exit with Reject Option (2024)
- 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 — Paris, France
PhD Candidate, Research Engineer — 2022 – Present

- Optimizing deep learning algorithms for recognition on embedded cameras using statistical techniques on Early Exit.
- Training and fine-tuning Large Language Models.
- Managing servers with multiple GPUs for training and inference.
- Taught Computer Vision and Natural Language Processing (NLP) classes to Master 2 students.

Fujitsu — Paris, France
Data Scientist — 2021 – 2022

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

Fujitsu - ECE Paris — Paris, France
Data Scientist Apprentice, Specialized in Computer Vision — 2018 – 2021

- Trained and applied computer vision and machine learning techniques.

Fujitsu — Paris, France
Data Scientist Intern — 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

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.