



JOB OFFER

JUNIOR DEEP LEARNING R&D ENGINEER

THE COMPANY

Nintendo European Research and Development (NERD) is a French subsidiary of Nintendo. We are a company of around 85 employees who share a passion for creating key software technology and cutting-edge solutions for Nintendo Switch™ and other Nintendo platforms. In close collaboration with counterparts in Japan and the USA, we contribute in fields such as emulation, signal processing, content generation, computer vision, machine learning, system development, optimization and security to create solutions deployed on over a hundred million homogeneous devices. Come discover an engaging and welcoming work environment in the heart of Paris and join our unique team in its mission to put smiles on people's faces!

POSITION RESPONSIBILITIES

NERD is looking for a Junior Deep Learning Research & Development Engineer who will contribute to our internal expertise and push the state of the art on the following topics:

- Generative models
- Reinforcement Learning
- Anomaly detection
- Computer vision
- Image / video / audio processing
- Compression
- Inference on embedded devices
- Natural language processing
- Big Data in general

CANDIDATE PROFILE

NERD is an equal-opportunities employer. All characters are welcome, regardless of gender, ethnicity, religion, sexual orientation, ableness or age.

We are looking for candidates with less than 5 years of professional experience in the field and who are:

- Quick learners
- Creative
- Problem solvers
- Comfortable with iterative cycles of empirical experimentation
- Fast at prototyping
- Methodical in their experimental approach
- Concerned with reproducibility and code quality
- Understand the uncertainty inherent to machine learning
- Autonomous, but can collaborate in a team setting

Desired skills:

- A good understanding of CNNs, Transformers, Attention, GANs, Diffusion Models...
- At ease with supervised, unsupervised & reinforcement learning
- Hands-on experience with at least one of the following tools: PyTorch, TensorFlow, JAX or similar
- Theoretical and practical background in math
 - Statistical, predictive and descriptive modeling concepts
 - Optimization theory and stochastic algorithms
 - Bayesian inference, pattern matching, clustering, SVM, linear/logistic regression, random forest,
- Gradient boosting, dimensionality reduction...
- Experience reading and understanding research papers, reviewing the state-of-the-art
- Database programming skills (data manipulation)
- Proficiency in Python (C++ is a plus)
- Familiarity with Linux / Windows

We expect candidates to be proficient in English, both written and spoken. The majority of employees speak French, but we also welcome non-French speaking candidates to apply. French, English and Japanese lessons are provided in the office for those willing to learn.

ADDITIONAL INFORMATION

This full-time position is located in central Paris, France, and candidates are expected to relocate near Paris (domestic and international relocation support provided).

The candidate can expect an annual gross salary between 47 and 63k€, depending on academic and professional experience, +5% bonus (including benefits).

CONTACT

If you believe you are the right person for this position, please send a resume and a cover letter to apply@nerd.nintendo.com with **DEEPNN2025** in the subject line.