

Embedded AI developer for DNN runtime

About the Job

Are you a passionate software engineer with interest in Embedded systems (IoT) and Deep Neural Networks (DNN), seeking a thrilling opportunity to become a key technical contributor at an innovative AI startup backed by the [European Space Agency](#) (ESA)?

Join us at [NinjaLABO](#), where we're developing DNN runtimes for IoT devices, to be integrated into our TinyML as-a-Service (TinyMLaaS) platform ([research](#) & [demonstration](#)). Your work will directly impact the accessibility of [TinyML](#) technologies, which run small AI on microcontrollers in IoT devices.

What We Need to See

1. Good at C (or C++) programming.
2. Familiar with training DNN models using [Pytorch](#) (or [TensorFlow](#)).

What You'll Be Doing

Have a role in the development of DNN runtimes, focusing on hands-on code contributions with DevOps.

- Train DNN models with [quantization](#) techniques.
- Implement DNN **runtimes** for specific DNN models

Bonus Skills

[OpenMP](#), [TensorFlow Lite For Micro](#) (TFLM), [Llama.cpp](#) / [Whisper.cpp](#) / [GGML](#) / [Llama2.c](#), [CUDA](#), [MLIR](#), [Apache TVM](#), [Mojo](#), [tinygrad](#)

Your Work Environment

- Fully remote position utilizing [SCRUM](#) methodology.
- Utilization of [Docker](#) and [Docker Compose](#).
- Workflow managed through [GitHub Projects](#), [GitHub Workflow](#), [GitHub Pages](#) ([Quarto](#)),

Contract Period

6 months from March to August / 3 months from June to August

Monthly Pay

Contracts facilitated through [UKKO.fi](#).

- 3,000+€ PhD student

- 2,600-2,800€ Master student
- 2,100-2,400€ Bachelor student

How to Apply

Interested in this groundbreaking opportunity? Direct your application to [Hiroshi Doyu](mailto:hiroshi.doyu@ninjalabo.ai) <hiroshi.doyu@ninjalabo.ai>