

# **Research engineer** **High-level synthesis specialist**

## HawAI.tech

HawAI.tech is an innovative startup specializing in the design and commercialization of hardware and software for probabilistic artificial intelligence. It consists today of 10 employees, mainly in the region of Grenoble (France), and also in Paris (France) and Liège (Belgium).

HawAI.tech is looking for talented people, driven and creative to shape a common ambition of becoming a major player of explainable AI, specialized in software design and hardware accelerators dedicated to probabilistic models.

## Job description

You will join the hardware design team of HawAI.tech. In the process of developing its future products dedicated to hardware acceleration of probabilistic AI models, you will:

- ▶ Participate in the specification and definition of the computation architecture
- ▶ Explore tradeoffs between hardware implementations of key components using Vitis HLS
- ▶ Characterize the performances, document and technology watch for the architectures evolution

By joining HawAI.tech, you will evolve in an open and dynamic R&D team, listening to its different collaborators, and developing solutions at the forefront of innovation.

## Required profile

Engineer and/or PhD in microelectronics, you justify of a successful experience in the use and/or design of high-level synthesis tools or in the design of hardware architectures. You have a deep understanding of the digital design flow, from conception to timing closure. Ideally, you have a knowledge of hardware architectures, especially for high-performance computing, and of compilation processes.

You are a person autonomous, curious, and driven who is eager to learn, and you appreciate teamwork and decision-making.

### Expected skills

- ▶ C/C++ for HLS
- ▶ Notions of hardware design flow
- ▶ Scripting Tcl and Shell

### Welcomed skills

- ▶ Curiosity and creativity
- ▶ Basic communication level in French and English

## Recruitment terms

Type de contrat	● Permanent contract (CDI)
Remunération	● In function of profile
Start date	● As soon as possible
Contact	● CV and cover letter to be sent to <a href="mailto:jobs@hawai.tech">jobs@hawai.tech</a>