

HAWAI R&D engineer .tech Compiler specialization

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 12 employees, mainly in the region of Grenoble (France), and also in Paris (France) and Liège (Belgium).

HawAI.tech is looking for talented, driven and creative people 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 software design team of HawAI.tech, to take part in the development a compiler toolchains for the hardware accelerator. In this team, and in strong collaboration with the hardware design team, you will:

- ▶ Participate in the definition and evolution of the circuits' high-level programming language
- ▶ Participate in the design of the compiler targeting the hardware accelerator
- ▶ Participate in the elaboration of a simulator

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 computer science, you justify of a successful experience in writing a compiler or in optimizing intermediate representations. You have a knowledge of processor architectures, ideally many-core and/or heterogeneous architectures. Knowledge of probabilistic frameworks would be appreciated.

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

Expected skills

- ▶ Knowledge of compilation techniques and intermediate representations
- ▶ Familiarity with hardware architectures

Welcomed skills

- ▶ Penchant for abstraction
- ▶ Notions of probabilistic methods
- ▶ Basic communication level in French and English

Recruitment terms

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| Type of contract | ● Permanent contract (CDI) |
| Job location | ● Grenoble, France |
| Start date | ● As soon as possible |
| Contact | ● CV and cover letter to be sent to jobs@hawai.tech |