antaios

Software Developer - Internal Tools Development

Location	Salary	Planned Start Date	Type of contract
Grenoble, France	35-50k€	As soon as possible	Permanent, Full-time

Company

Antaios is a start-up company that develops a disruptive semiconductor memory technology. Antaios will offer memory solutions to semiconductor foundries and Integrated Devices Manufacturers, from core technology up to qualified turn-key memory blocks. Antaios memories rely on a newly discovered physical phenomenon, called Spin-Orbit Torque (SOT).

To support its development, Antaios is looking for a software developer that will oversee the development of the internal tools to be used by the different teams of the company. A technology team that performs electrical testing, measurement and analysis of the performances of the memory cells, and a memory design team that develops and validates integrated memory circuits based on the results of the technology team.

You will develop, validate and maintain tools to control the automated test equipment, tools to analyse the data as well as tools to automate the verification tasks of the memory compiler. This position offers the opportunity to work on different aspects of microelectronics industry: devices measurement, interfacing with the test instruments, statistical data collection and analysis, EDA tools, SPICE data manipulation, physical implementation and GDS files, and optimization of the use of a computing grid… You will progressively take charge of the development of the tools, actively participate in the definition of the needs, and will be asked to propose methodological solutions.

Missions

As part of our R&D engineering team, you will be in charge of the following tasks

- Understanding, analysing and formalising user requirements.
- Developing the appropriate tools, documenting and maintaining them.
- Debug/Support user on these tools.
- Design team: automation of tasks on a computing grid, consolidation/extension of a workflow (Linux, computing grid).
- Technology team: task automation, data processing (mathematics and statistics), report generation, user interface.

Profile

You have significant experience in software development.

You master the following languages: linux/shell, windows, Python (Numpy, pandas, Matplotlib), modern C or C++Knowing the following is a plus: TCL, GUI (Qt5) in C++ or Python, database interface, Labview.

You can work independently but in a team: there are designers/technologists who develop their own tools.

You have good user interaction skills, understanding of needs, training.

You are meticulous, organized and proactive.

You are versatile and able to deal with different aspects of the job.

You can communicate fluently in English. French speaking would be appreciable.

How to apply

Please send your 1-page resume and motivation letter by e-mail to contact@antaios.fr.