Principal Product Engineer

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Company: Cadence Design Systems, Inc.

Location: Brussels

Category: other-general

At Cadence, we hire and develop leaders and innovators who want to make an impact on the world of technology.

The Role of Product Engineer Involves the Following Responsibilities

Working with sales, application engineers, and developers to create specifi cations for new software features.

·Managing the backlog of requests to assign an appropriate priority level to bug fixes and new feature developments.

·Managing the release process to ensure that the software is released on time and contains the enhancements that were planned.

Providing testing and documentation in support of new software releases.

Providing second level support to end users of the software.The engineer will primarily focus on high-fidelity simulations (LES) for automotive, aerospace, and other industries using the Stitch and CharLES software from the Fidelity suite. Simulations can also involve complex physics including acoustics and combustion.

Requirements

MS in Mechanical Engineering/Aerospace Engineering (or related degree) + 3 years of relevant experience or PhD in Mechanical/Aerospace Engineering (or related degree)

In depth knowledge of Large Eddy Simulation, aero acoustics, combustion, and

multiphase flows

Working knowledge of Linux and CPU/GPU based high performance computing systems

General understanding of numerical methods used in CFD

Demonstrated experience with Python

Experience using CFD software to perform simulations of industrial applications. This includes geometry preparation, meshing, simulation, and post-processing of results.

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