Design Engineering

Cognitive Design Systems (CDS) is a newly established tech startup based in the center of Toulouse, France, the core of the aerospace industry's innovation and talent. Our company is a multicultural organization made of talented engineers brought together by a common mission, to develop the best all-in-one generative design platform.

We are looking for an design engineer to join our growing team, the ideal candidate would have CAD/CAE experience combined with basic programming skills.

At CDS, we believe that creativity and ingenuity are essential to evolve beyond process constraints in bringing designs to life.

Roles & Responsibilities

- Develop and design new products utilizing CAD, FEA Simulation, and Topology Optimization software.
- Perform detailed calculations, and simulations to validate design concepts and optimize geometry for performance.
- Produce comprehensive reports, research analysis, and marketing material for internal and external usage.

Requirements

- Bachelor's or Master's degree in Mechanical Engineering or a related field.
- Minimum 5 years of experience in CAD, FEA simulation, and algorithmic modeling.
- Proficiency in CAD software (e.g. CATIA, NX) for 3D modeling and technical drawings.
- Strong expertise in FEA simulation tools (e.g. ANSYS, Abaqus) for structural analysis and design optimizations.
- Experience in algorithmic modeling & programming languages (e.g. MATLAB, Python).
- Solid understanding of mechanical, thermal, and fatigue simulation principles and methodologies.
- Knowledge of material properties, manufacturing processes, and engineering standards.
- Strong analytical and problem-solving skills with attention to detail.
- Excellent communication and teamwork abilities.
- Fluent in English, French language is a plus.

Compensation & Benefits

- CDI contract
- Discretionary Bonus based on performance
- Flexibility in working from home / transportation subsidies
- Company benefits (coffee, snacks & office lunches)

Contact

info@cognitive-design-systems.com

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