

Job Description

Job / Role

Digital Twin Technical Engineer

Sub-family

Simulation Engineering

Job Family

Engineering

Mission & Job Duties

Mission & Main Tasks

- Utilize a virtual Smart Factory simulation with in-house manufacturing simulator
- Design and execute the virtual smart factory Verification Methodology by simulation study
- Establish virtual smart factory with Metaverse tool set
- collaborate 3D asset designer to create virtual simulation modeling

Roles & Responsibility

[Virtual Digital Factory simulation development]

- Create a digital factory simulation with 3D implementation
- development of metaverse environment factory simulation using in-house simulator (java, C# programming skill is a plus)
- Establish robust simulation 3D asset library for entire production line

[Digital factory simulation implementation under Metaverse environment]

- Establish Digital twin-based simulation verification process
- Develop 3D meta environment to implement the digital factory simulation
- Investigate a state of the art metaverse/digital twin trends and continuously upgrade the environment
- unity software experience is a plus



Job Requirements

Spirit - Attitude/Personality Needed to the Job

- Open-minded person who seeks mutual growth with the company, and develops a smart manufacturing innovation system
- Innovative thinking to build flexible & intelligent manufacturing system considering metaverse
- Self-motivated and proactive personality for initiating new approaches to solutions
- Reliable individual who can work with integrity, and good interpersonal relationship

Background - Education / Working Experience

- Bachelor/ Master/ Ph.D degree in mechanical/computer/Information system/Industrial Engineering, Computer science or other suitable engineering discipline.
- Domain knowledge of manufacturing simulation or production simulation is a plus
- Understanding of fundamental industry 4.0 technologies

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Professional Skills - Knowledge & Skills & Others (Certification etc.)
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- Possese a good knowlege of manufacturing process flow analysis
- Good programming skill for simulation creation and implementation
- Possese a good knowlege of VR/AR/ XR application in industry
- Understanding in automotive manufacturing process & technology (optional)

Language Skills

- Excellent presentation and communication (verbal &written) skills in English
- Proficiency in Korean is desired but not required

Interested applicants, please send CV to: sumin.jeon@hmgics.com