



Description

Center Street Technologies: Protecting our nation by building the *FUTURE NOW!*

Center Street Technologies is hiring for a Principal Software/Simulation Engineer – Additive Manufacturing

The focus of the project/program will be for the advancement of the hybrid (additive and subtractive) manufacturing. Advancement of machine control/intelligence and creation of digital twins from design, processing and application. Integration of software platforms to provide the entire additive/subtractive life cycle.

In This Role You Will Be Responsible For

- Building and managing the digital manufacturing team, lead direct reports including goal setting, performance management, skill enhancement, knowledge building and career development.
- Ultimate responsibility for the leadership and performance of all individuals involved in the advanced Software/Simulation development. This includes the authority to hire and dismiss employees under his / her area of responsibility as the candidate deems appropriate
- Working with external system providers like CAD/CAM/CAE software vendors, sensors and equipment partners to understand and act on changes from vendor offerings continuously building vertical expertise, staying abreast of emerging capabilities in additive/subtractive manufacturing.
- Creating a digital manufacturing system/digital twin strategy, vision and road map to advance the digital program together.
- Ensuring that decisions support the corporate strategy from both a business and technology migration perspective.
- Collaborating with business partners to advise, define and deliver capabilities supporting advanced technologies and digital manufacturing capabilities in alignment with business and technical strategy, utilizing deep knowledge and effectively working with implementation partners and development teams to efficiently translate business requirements into functional capabilities.



What's In It For You

Our employees play an active role in strengthening the quality of life where we live and work by volunteering. Here are some of the benefits you can enjoy:

- Reimbursed relocation expenses
- Medical
- Dental
- 401k
- Paid time off
- Work/life balance
- Career development
- Mentorship opportunities

Basic Qualifications

- Bachelor's degree with 10+ years relevant experience or Master's degree with 5+ years of relevant experience
- Demonstrated technical and people leadership experience
- Experience in a highly collaborative and sharing environment
- Demonstrated technical leadership in Advanced Manufacturing Software and Simulation
- Experience with development methodology and agile metrics
- Demonstrated corrective action and problem-solving skills

Desired Skills

- Experience with the integration of computer-controlled machines. Software machine builder. Simulation of processes and machine controls for additive/subtractive machine.
- Sensor development and integration.
- Advanced programming for path planning (for both additive and subtractive).
- Tailoring and API development of the CAD/CAM system
- Experience with Siemens, NX, NX Open Platform, NX Additive Manufacturing, NX CAM, and Autodesk Additive software.
- Experience with AM software packages, including simulation, slicing, and packing.
- Experience with operating various AM machines and related post-processing equipment.
- Experience with low code platforms such as Mendix and machine learning software development.
- Proficiency in programming languages C, C++, Python. SQL Databases



- Work in an integrated team for design engineering, machine controls and material processing.
- Excellent written and oral communication skills with experience engaging and presenting in executive level meetings
- Ability to obtain Special Program Access
- Cultural Catalyst - Demonstrated ability to effectively work and lead a culture based on integrity, respect, and responsibility.

Job Qualifications

BASIC QUALIFICATIONS:

Center Street Technologies is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, pregnancy, sexual orientation, gender identity, national origin, age, protected veteran status, or disability status.

Join us at Center Street Technologies, where our mission is to provide technologies that keep us safe. Our customers tackle the hardest missions. Those that demand extraordinary amounts of courage, resilience and precision. They're dangerous. Critical. Sometimes they even provide an opportunity to change the world and save lives. Those are the missions we care about.

As a leading technology innovation company, Center Street's team works with leading U.S. partners to bring proven performance to our customers' toughest challenges. Center Street Technologies is located in Youngstown Ohio, home of America Makes, The National Additive Manufacturing Innovation Institute.

Experience Level

Experienced Professional

Seniority Level

Principal

Industry

- Advanced Manufacturing
- Advanced Manufacturing Software and Simulation