The Connecticut Center for Advanced Technology, Inc. (CCAT) is a non-profit, tax-exempt corporation incorporated in May 2004. CCAT is an applied technology demonstration and training center that validates, demonstrates, and assists with the adoption of leading-edge technologies into global industrial companies and the advanced manufacturing supply chain, while providing vital workforce training and upskilling necessary for companies to fully-utilize the technology advancement. CCAT partners with State and Federal governmental agencies such as the DOD, DOE, NASA, SBA and USDOC on technology development and training utilizing government programs and commercial contracts to address military and civilian industrial manufacturing needs, promote clean-tech planning and policy initiatives and enhance workforce skills for technology competitiveness. The current technology focus of the Advanced Technology Centers is on multi-material additive manufacturing technologies, composites, advanced design, automation, metrology, industrial automation, and Industry 4.0 technologies.

Position Title: Manufacturing Applications Engineer

Job Description: Under the supervision of the Director of Manufacturing Technology- Advanced Manufacturing Centers, the Manufacturing Applications Engineer is responsible for CAM programming, operating 3-axis machining centers, data extraction from machine sensors (IIOT) and fixture design. Must have a strong desire to learn 'new' skills and stay on the cutting edge of manufacturing technology, apply manufacturing software tools and machinery to educate manufacturing companies about new technology and how it can improve their effectiveness and efficiencies.

Essential Functions and Responsibilities:

- Implements capabilities of various manufacturing software and technologies
- Assists regional supply chain companies in identifying and applying software and hardware to improve productivity
- Design and NC program in CAD/CAM packages, with a basic knowledge of Siemens NX
- Operate 3-axis machining centers (willing to learn 5-axis) and machine aerospace materials
- Collects and analyzes data from various manufacturing software and technologies
- Design fixtures and other components
- Report writing to document information from the data collection
- Performs a wide variety of complex tasks and handles multiple projects with minimal supervision
- Represents CCAT at meetings, workshops, conferences, and events

Job Qualifications:

- **Education:** Bachelor's Degree in Engineering, Graduate degree preferred. Note: *experience level can be substituted for a degree.*
- **Experience:** 5+ years' experience
  Skills: Strong Microsoft Office Suite skills, technical writing, and basic engineering skills. A plus but not required: working knowledge of additive technologies, robotic programming, and automation experience. **Must fulfill ITAR citizenship requirements.**

Physical Demands & Work Environment: The person in this position needs to occasionally move about inside the office to access file cabinets, office machinery, etc. Continually operates a computer and other office productivity machinery, such as a calculator, copy machine, and computer printer. Frequently operates software. Frequently communicates with individuals and must be able to exchange accurate information in these situations.

Must maintain proper safety protocols in a lab environment.

Reports to: Director of Manufacturing Technology, Advanced Technology Centers
Manage Others: No
Job Type: Engineer
Employee Type: Full Time, Exempt
Travel: In-state travel and possible national
Compensation: Based on qualifications
Relocation: No

CCAT is an Equal Opportunity Employer, M/F/D/V. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law. VEVRAA Federal Contractor.

Please direct resumes to Heather Petrone, Human Resources Manager, at ***hpetrone@ccat.us*.**