



DATA SCIENTIST

FULL-TIME, CINCINNATI, OHIO

JOB RESPONSIBILITIES

- *Research and Development including understanding the underlying principles of additive manufacturing; evaluating surrogate modeling techniques and algorithms applicable to computational design tools in additive manufacturing; and developing approaches that capture the relationships between design requirements, process variables, and performance metrics*
- *Data collection and processing including identifying experimental data, simulation, and records for training and validating surrogate models; cleaning, processing, and curating datasets for quality and relevance for model development; and collaborating to gather insights for model development*
- *Machine learning development and optimization including, designing and implementing machine learning models to predict the performance of structures, train and validate models; and incorporate statistical methods to assess reliability*
- *Integration models into practical design tools, work with software developers to maintain modeling solutions in production environments, and provide technical support to users*

QUALIFICATIONS

- *Master's or Ph.D. in computer science, engineering, mathematics, or related fields, focusing on machine learning, data science, or modeling*
- *Experience with surrogate, predictive, and statistical models*
- *Background in machine learning including regression, classification, clustering, dimensional reduction, and optimization algorithms*
- *Experience with relevant software like Python, R, and MATLAB, and using frameworks for machine learning, data analysis, and scientific computing*
- *Familiarity with additive manufacturing processes including FDM, SLA, SLS, DMLS, and binder jet*
- *Excellent analytical skills, problem-solving ability, and attention to detail, with the ability to interpret complex data and models*
- *Effective communication with the ability to convey technical material to technical and non-technical people*
- *Collaborative and able to work with interdisciplinary teams and adapt to changing priorities*

BENEFITS

**HIGH GROWTH & DYNAMIC START-UP - STOCK OPTIONS - OPPORTUNITY FOR
ADVANCEMENT & LEARNING - HEALTH, DENTAL, AND VISION INSURANCE - PAID
TIME OFF**