

Data Scientist Machine Learning Specialist

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An excellent career opportunity is currently available for an **Advanced R&D**

Engineer/Scientist specialized in Data Science/Machine Learning/AI in the Optimization Development group within UOP's Research and Development organization located in Des Plaines, IL. This position affords a unique and visible opportunity to support outcome based digital service models and performance monitoring and optimization solutions for Honeywell UOP customers.

Key Responsibilities:

- Develop analytics capabilities to enable upsell opportunities and outcome based business models for Honeywell UOP

- Develop analytics tools to identify leading indicators and customer pain points using commercial data and internal domain knowledge
- Support infrastructure development to enable next generation digital performance and outcome based service offerings
- Collaboration with software development teams to test/implement new software platforms and data analytics tools
- Support new tool development to enable productivity improvements for UOP's service organization and transform service into a recurring revenue growth engine
- Develop capabilities to enhance first principles models through the use of data science/machine learning algorithms
- Author invention disclosures to contribute to the innovation effort at Honeywell UOP
- Travel both domestic and internationally approximately 10% annually

YOU MUST HAVE

- Bachelor's Degree in Chemical Engineering and 7 years of experience in process systems engineering and machine learning/data science

WE VALUE

- PhD in Chemical Engineering highly preferred
- Experience with applying machine learning, data science tools and algorithms
- Knowledge of optimization theory and experience working with process systems engineering tools and software
- Experience with developing and applying reduced order/surrogate models
- Knowledge of statistics, parameter estimation, model discrimination and experimental design

- Knowledge of chemical engineering fundamentals including fluid flow, heat transfer, mass transfer and reaction engineering
- Knowledge of UOP technologies: Refining/Petrochemicals/Gas Processing applications.
- Excellent computer programming skills
- Strong interpersonal skills and the capability to work effectively across multiple functional departments
- Demonstrated ability to work independently with a strong focus on delivering results and identifying alternative solutions when challenges arise
- Excellent written and verbal communication skills to ensure all aspects of projects are clearly understood and well documented
- Knowledge of Six-Sigma principles and their use in managing risk and uncertainty

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