Mark Kotanchek

Chief Technology Officer, Evolved Analytics, LLC

Dr. Mark Kotanchek is the Founder, Chief Architect and Chief Technology Officer of Evolved Analytics LLC, a data science and analytics system and software provider (www.evolved-analytics.com). Mark founded Evolved Analytics in 2005 with a goal of developing tools and systems to address the data deluge of the modern world and the need to covert that data into actionable insight and understanding. Today, Evolved Analytics' suite of global solutions, including award-winning *DataModeler*, are broad reaching across multiple-industry sectors. They have enabled new catalyst, pharmaceutical and materials discoveries; accelerated product design and process development; enhanced business forecasting, supply chain planning and logistics; have been instrumental in automating process and quality control systems, and optimizing maintenance planning and product pricing.

In 2019, *CIO Review* recognized Evolved Analytics as one of the 20 Most Promising Big Data Solution Providers. In August 2020, the DataModeler suite is being featured in a new book by analytics expert, Dr. Arthur Kordon, entitled: *Applying Data Science: How to Create Value with Artificial Intelligence.*

Internationally recognized as a leader in the fields of genetic programming and symbolic regression and real-world data analysis, Dr. Kotanchek has has given numerous keynotes and tutorials, published 15 book chapters, 4 journal articles, and holds 2 US patents. He is a senior member of the Institute of Electrical and Electronics Engineers.

Dr. Kotanchek holds a doctorate in Aerospace Engineering, a masters of engineering in Acoustics, and a bachelor of science with honors in Engineering Science & Mechanics from The Pennsylvania State University. His diverse academic background is consistent with the diversity of his extensive 30 year professional system design and development experiences ranging from aluminum ladder design, defense system design, neonatal oxygen control, signal processing research, engineering manager, technology trend analysis, IT project management, chemical plant troubleshooting, high-throughput biology, R&D group leader, energy trading system development, genetic programming theory & application research, and more. He has led both research-oriented and development-focused teams in defense intelligence system development (HRB Systems, Inc.), Naval Research (Penn State Applied Research Lab), neonatal control systems (Hershey Medical Center), information systems project manager (Dow Chemical Information Delivery Project Office) and chemical/ biotech industrial research (Dow Physical Sciences, Corporate R&D).