

Mark McDonald

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- Financial and Business Leadership
- Artificial Intelligence, Machine Learning, Software Engineering and Data Science
- Award-winning author covering the use of AI in finance

SENIOR FINANCE & DATA SCIENCE PROFESSIONAL

My objective is to lead business operations teams into a new era of efficiency through a combination of modern data science solutions and lean business operations. Using a unique mix of professional leadership, operational finance and advanced technology skills, I have a demonstrated ability to elevate team productivity and business value.

EXPERIENCE

Gartner	Senior Director – AI in Finance	Cambridge, MA	2021-current
Harvard University	Graduate Studies in Software Engineering/AI	Cambridge, MA	2017-2020
Primetals (formerly Siemens)	Financial Director	Worcester, MA	2013-2017
Siemens Industry	Director - Process Management	Worcester, MA	2010-2013
	Director - Global Projects / M&A	Pittsburgh, PA	2005-2010
Siemens Mobile	Chief Information Officer	Boca Raton, FL	2003-2005
	Regional Information Technology Director	Munich, Germany	2002-2003
Siemens AG	Global Finance Performance Controller	Munich, Germany	1999-2002

EXPERTISE

Business & Finance

- FP&A and Finance Organization Leadership
- Business Performance Analysis, Budgeting, Forecasting, Consolidation and Reporting
- Cross-functional Process Improvement
- Project Management

Advanced Analytics

- Data Science, Machine Learning and AI
- AI Strategy and Transformation Leadership
- Technical Skills and Talent Development
- AI/ML Use Case Design and Implementation
- Python development

My career covers a variety of operational and leadership roles ranging from local manufacturing to global corporate strategy. Focusing on the use of technology, I have a proven track record of increasing business performance and employee job satisfaction. I recently earned an advanced degree in software engineering where I specialized in data science, AI and machine learning. Combining my finance and technology experience, I currently serve as a Gartner senior director where I develop AI and data science roadmaps with clients and guide them through detailed implementation steps starting with organizational changes and continuing with employee skills, technical development, model design and process implementation.

ACHIEVEMENTS & RESPONSIBILITIES

- 2022 Gartner Content Excellence Award recipient
- 2021 Gartner Outstanding Thought Leadership Award recipient
- Develop AI-driven finance and operations roadmaps for clients including the technical, cultural, skills and leadership aspects needed to achieve success.
- Author of proven frameworks for implementing ML-driven forecasting, business performance analysis, financial scenario planning and transaction automation.
- Build finance-specific ML models with clients starting with problem definition and continuing through data sourcing, model design, implementation and maintenance.
- In 2020, earned an advanced degree in software engineering with a focus on data science, artificial intelligence, and machine learning.
- As financial leader of a global manufacturing and service business unit, I spearheaded a business turn around through a combination of lean financial operations, cultural transformation, cross-functional process improvement, advanced analytics, and SAP system configuration.
- Leader of multiple global transformation efforts that spanned a broad scope of business teams including engineering, manufacturing, finance, accounting, HR and IT.
- FP&A operational leadership covering financial analysis, reporting, forecasting and global consolidations.
- M&A leadership of 20+ acquisitions into the Siemens landscape coordinating teams of over 100 individuals across various global locations and business functions.

EDUCATION

Harvard University | Master of Liberal Arts in Extension, **Software Engineering**

Georgia State University | Master of Science, **Computer Information Systems**

Iowa State University | B.B.A., **Accounting**, Minor: German

TRAINING & SPECIAL SKILLS

- Harvard University Certificate in Data Science (2020)
- Graduate of the IMD Global Executive Program
- Siemens Management Qualification Training
- Siemens Financial Management Leadership Program
- Fluent in English (native) and German
- Private Pilot License – Single Engine Aircraft