MICHAEL WACEY

AI, Enterprise Architecture, and Data Architecture Thought Leader

1049 Beaumont Road, Berwyn, PA, 19312 | 610-608-4759 | michaelwacey@msn.com | linkedin.com/in/michaelwacey

Seasoned Enterprise Data, Architecture, and AI leader with over 20 years of experience designing and implementing transformative technology solutions. Passionate about mentoring the next generation of technologists by bringing extensive industry experience into the university classroom. Currently advancing AI knowledge through doctoral research at George Washington University.

EDUCATION

George Washington University   Expected Dec 2025
Doctorate in AI and Machine Learning (ML)

- Research Focus: Enabling LLMs to efficiently process documents larger than their context window by decomposing them into a knowledge graph and performing iterative refinement of the graph.

Drexel University   Philadelphia, PA
Master of Science in Computer Science

Washington University in St. Louis   St. Louis, MO
Bachelor of Science in Computer Science

TEACHING EXPERIENCE

Adjunct Professor   May 2001 - Present
LaSalle University, West Chester University, Delaware County Community College

- Instructed graduate and undergraduate courses across Computer Science and Business departments, including Database Internals, Database Design, Data Warehousing, Machine Learning, Analytics, Service-Based Architecture, Operating Systems, Project Management, and Introduction to Data Science.
- Adapted curriculum for in-person, synchronous online, and hybrid classroom formats.

PROFESSIONAL EXPERIENCE

Consultant   Feb 2023 - Present
Useful Software | Berwyn, PA

- Served as Fractional Chief Data Officer for a consumer products start-up, creating a cloud-based data lake, data warehouse, and data marts in Snowflake and Azure.
- Architected and led the development of a novel AI system to recognize consumer products from shelf photos without prior product training by training the model to search the web for product information.

Vice President of Program Management   Jun 2021 - Feb 2023
PCS RETIREMENT | Philadelphia, PA

- Led a 60-person organization in migrating a legacy system to a modern solution and integrated record-keeping systems from two firms post-merger, an effort involving over 100 individuals.
- Standardized technology processes using Agile methodologies and enhanced reporting with JIRA and PowerBI.

Senior Enterprise Architect   Jan 2000 - Jun 2021
CAPGEMINI, CAPCO, and CSC | Paris, New York, Philadelphia

- Overhauled the Enterprise Architecture function for a $50B manufacturing firm and led a team to implement a new EA function for an $8B organization.
- Provided strategic oversight for a 200-person team developing financial platforms; consolidated three data warehouses into a single enterprise solution.
- Designed and implemented a deep learning tool for forensic data lineage and provided data modeling support to 10 scrum teams for a $100M data integration effort.