

Curriculum Vitae

Dr. Denise L. Devine, DPS

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Objective

Experienced IT professional, academic, and researcher with expertise in data architecture, engineering, and applied analytics. Passionate about advancing knowledge through research in data management, AI ethics, and bias detection, and educating the next generation of data scientists using innovative, applied teaching methodologies.

Education

Syracuse University – Syracuse, NY

Doctor of Professional Studies in Information Management (Mar 2024)

- Dissertation: Examining Dataset FAIRness and Data Curation Using Research Data Management Frameworks

Syracuse University – Syracuse, NY

Master of Science in Applied Data Science (Jan 2018 – Jun 2019)

- Focus: Machine Learning, Convolutional Neural Networks, Database Management, Big Data Analytics

University of Memphis – Memphis, TN

Bachelor of Business Administration in Management Information Systems

Professional Experience

Director of Information Technology (Interim)

Vertrauen Chemie Solutions | Nov 2022 – Feb 2023

- Directed IT strategic planning, policy revitalization, and infrastructure management.
- Mentored junior IT department members, strengthening departmental knowledge-sharing.

Senior Data Engineer

Creative Co-op Inc. | Sep 2019 – Jun 2022

- Led a \$2M warehouse management system project, improving analytics and operations.
- Designed and delivered SQL Server training to build technical team capacity.

IT Strategy Consultant & Project Manager

Jan 2018 – Jul 2019

- Designed and integrated business intelligence strategies to optimize cross-platform data usage.

Chief Data Architect

Fred's Inc. | Sep 2015 – Nov 2017

- Directed Pharmacy & Merchandising Data Warehouse initiatives.
- Managed enterprise-level data architecture and development teams.

Teaching & Leadership Experience

Leader & Founder – Memphis Data Science Meetup (2017 – Present)

- Designed and delivered monthly presentations on data science topics.
- Built a professional learning community for collaboration and mentorship.

Leader & Founder – Memphis SharePoint User Group (2010 – 2014)

- Coordinated and delivered monthly presentations on SharePoint.
- Organized external subject matter expert guest talks.

Research Interests

AI Ethics and Bias Detection

AI and Education

Data Curation and FAIR Principles

Applied Data Science in Industry Contexts

Sustainable Technology & Information Systems for Social Good

Conference Presentations & Talks

Memphis Data Science Meetup (2017–present): Monthly technical talks on data science and analytics.

Memphis SharePoint User Group (2010–2014): Technical presentations and workshops.

Technical Skills

Data Management & Analytics: SQL, R, Python, Power BI, Tableau

Machine Learning: Neural networks, predictive modeling, deep learning

Database Systems: MS SQL Server, Snowflake, database design & administration

Software Development: C#, ASP.NET, ColdFusion, T-SQL

Professional Memberships

901 AI Meetup Group