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MILWAUKEE SCHOOL OF ENGINEERING GRADUATE PROGRAMS IN MACHINE LEARNING



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ABOUT MILWAUKEE SCHOOL OF ENGINEERING GRADUATE PROGRAMS IN MACHINE LEARNING

Location: Milwaukee

Key leaders: RJ Nowling, Jay Urbain, Andrew McAninch, Eric Durant, Christopher Taylor and Jeremy Kedziora, MSOE faculty members involved with the university's machine learning programs ▲

MSOE this year expanded its graduate-level offerings by launching a master of science in machine learning program to help prepare students for in-demand jobs in machine learning, AI and data. It has nearly 30 students enrolled and has additional students in its graduate certificate programs.

The university has historical expertise in AI, with one of its most prominent alumni being Dwight Diercks, the senior vice president of software engineering at the California-based AI computing giant NVIDIA Corp. In 2018, Diercks donated \$34 million to build a new computer science building at MSOE that features an NVIDIA GPU-powered supercomputer.

The following responses are from MSOE electrical engineering and computer science associate professor RJ Nowling.

Q&A

Describe the program in one sentence: "We offer a technical program for technical people who want to use machine

learning models in user-facing services and products."

Biggest 2023 accomplishment: "Ensuring that our curriculum is exceedingly relevant to industry needs. There are quite a few data science and machine learning programs, but most of those programs focus purely on the work of the data scientist. At the end of the day, models are only useful if they are incorporated into products and services."

"Our master's in machine learning is fortunate to have multiple faculty with industry experience who have designed and taught courses that address the challenges when incorporating models into new or existing technical systems. Our program prepares our graduates for roles not only as data scientists but as machine learning engineers and data engineers."

Goal for 2024: "Our goal is to be the premier program in applied AI for students who are focused on obtaining advanced industry roles."