Executive biography

Arlyne Simon, *PHD*

AI Systems Architect

INTEL

Arlyne Simon, *PhD* is a leading AI Systems Architect in Intel 's Health and Life Science group. In this role, she leads a multidisciplinary team dedicated to advancing edge computing devices for next-generation ultrasound systems and state-of-the-art digital operating rooms. Arlyne's expertise lies in computing hardware, with a deep knowledge of Intel's AI acceleration technologies, including the CPU, GPU, and the cutting-edge, built-in neural processing unit (NPU).

Arlyne has more than 13 years of experience in medical device design, high-performance computing, and healthcare AI applications. Her contributions have earned her national recognition from prestigious organizations such as the United States Patent and Trademark Office, the Society of Women Engineers, Georgia Tech's 40 Under 40, and the American Association for the Advancement of Science. She holds a B.Sc. in chemical and biomolecular engineering from Georgia Tech and a PhD in macromolecular science and engineering from the University of Michigan.