

From Nanoscience to Data Science and Everything in Between

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Abstract:

During the last decade since graduating from the College of Nanoscale Science & Engineering I have held roles as a postdoc, staff scientist, analytics subject matter expert, artificial intelligence researcher, data scientist, and people leader. I hope to give you a glimpse at one scientist's journey since receiving a PhD in Nanoscale Science & Engineering. This will include a fair amount of nerding out over interesting technologies I have had the privilege of working on, and praising the great people I have had a chance to work with over the past ten years. I will also devote a section of this seminar to my current role as a Machine Learning Architect and the technologies my team and I are building. These technologies include, but are not limited to: active learning platforms, natural language processing techniques, and designing AI pipelines.

Bio:

I am a Machine Learning Architect at EY. My career has largely focused on developing measurement, pattern recognition, and language processing techniques and systems—all while learning as much as I can from the talented people I work with. I have a BS in Physics from California Polytechnic State University, San Luis Obispo, and a PhD in Nanoscale Science and Engineering from the University at Albany, SUNY.