

A project in the life of a data scientist

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Sandia's research aims to make our nation secure, bringing together interdisciplinary teams of mathematicians, computer scientists, and domain experts across the sciences. Using extreme-scale experiments, modeling, and simulation capabilities, these research teams generate and process massive amounts of data as they reason about complex phenomena in areas as diverse as energy, cyber, and climate. This talk aims to shed some light on the role of a data scientist at Sandia by taking a retrospective look at a 3-year project researching the use of sublinear algorithms to enable in situ analysis of extreme-scale scientific data. In addition to providing technical details about the research itself, I will highlight lessons learned regarding the processes of acquiring funding for and pursuing research in data science at a national laboratory.