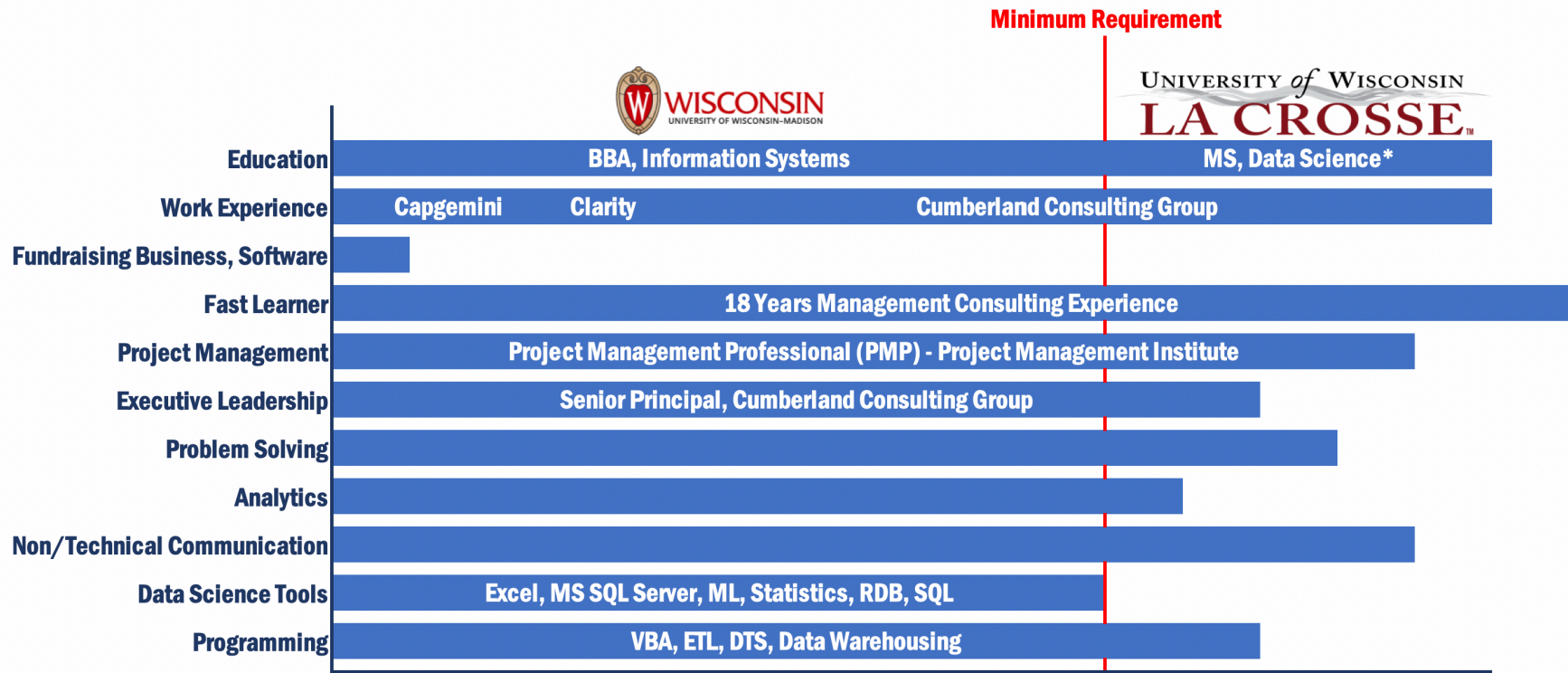


Job Description 1 – Director of Data Science – Foundation, Children's National Hospital

Summary

The Director of Data Science will be responsible for providing strategic leadership for Children's National Hospital Foundation's data systems and services. A minimum of a bachelor's degree and 10 years of work experience required. Other required skills and knowledge include fundraising software such as Raiser's Edge, Convio; project management for internal customers; strategic thinking and leadership; problem solving and analytical abilities; presentation skills including technical and non-technical communication; data science tools such as Excel Query, Microsoft SQL Server, machine learning, statistics, relational databases and structured query language (SQL); programming including Visual Basic for Applications (VBA), data ETL, and data warehousing.

Mark E. Riley, BBA, PMP, MSDS*



Mark Riley's Experience Level →

* Expected August, 2020

Job Description 2 – Data Science Director – Oncology, AstraZeneca

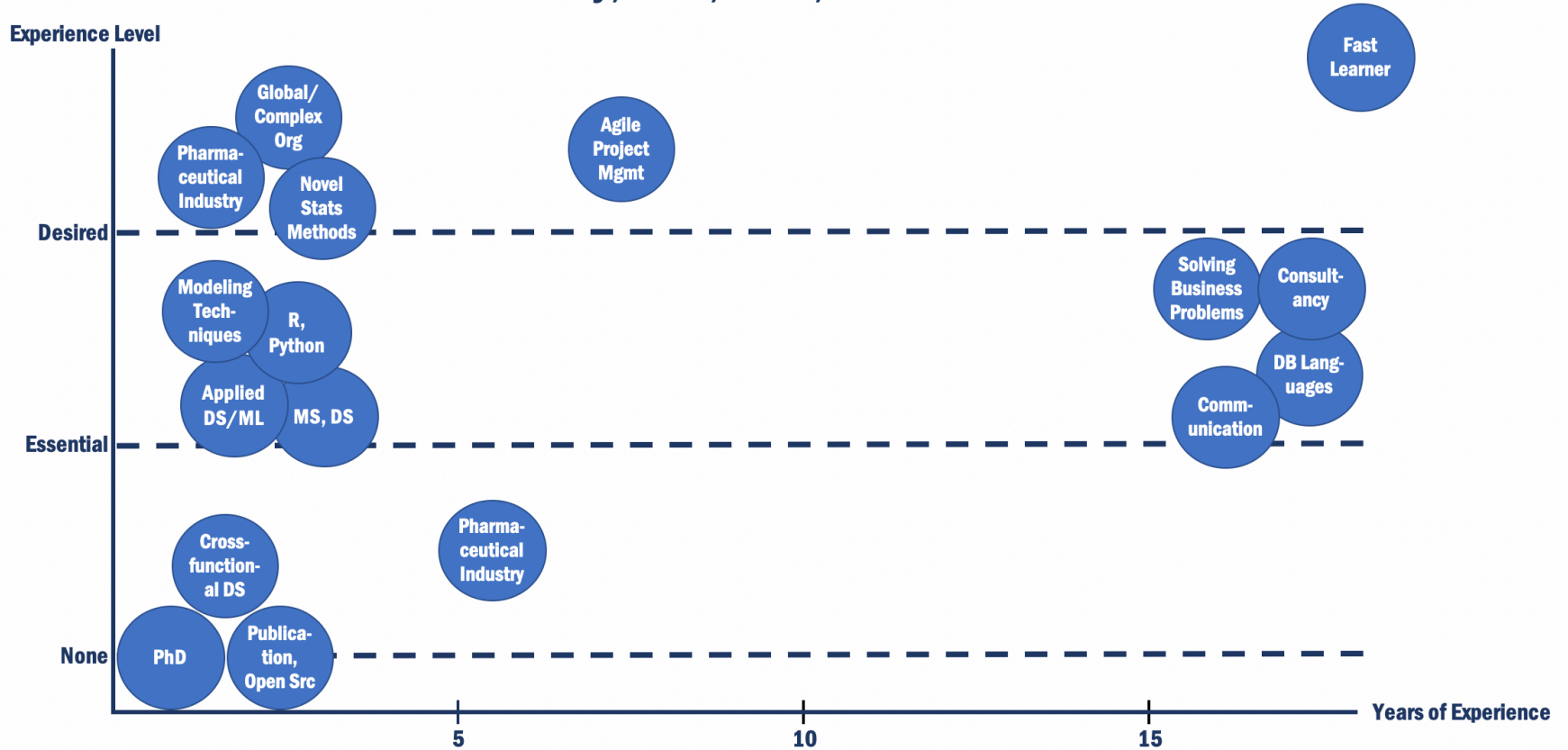
Summary

The Machine Learning and AI team in AstraZeneca's Oncology Data Science group is where we develop and apply sophisticated algorithms and techniques to solve the hardest problems in oncology drug discovery and development. The team uses their scientific, quantitative, and problem-solving skills to work on a broad range of challenges across the whole oncology portfolio, working collaboratively with other scientists across a range of disciplines to scope, define, and deliver projects that both advance the state of the art in data science and accelerate the delivery of innovative medicines to patients.

Essential skills include an MSc degree in rigorous quantitative science; extensive hands-on experience applying and developing data science and machine learning tools in practice; practical skills in standard data science tools (such as R or python) and database languages; excellent communication, business analysis, and consultancy; extensive knowledge of mathematical and statistical modelling techniques; demonstrated experience articulating business questions and using mathematical techniques to arrive at an answer using available data.

Desirable skills include a PhD degree in rigorous quantitative science; experience within the pharmaceutical industry; agile project management techniques; delivery of impactful cross-functional data science projects; publication history / contribution to external open source projects; experience in the development and application of novel mathematical and statistical methods; and in-depth experience of working in a global organization with complex/geographical context.

Mark E. Riley, BBA, PMP, MSDS*



Education and Certifications



* Expected August, 2020