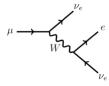
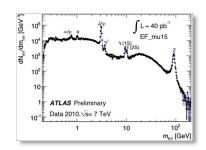


Rikard Sandström CERN Alumni - Moving Out of Academia to Big Data

Council Chamber (CERN) 21.09.2018

Career in Physics







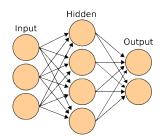
CERN Summer Student (ATLAS)

PhD Experimental Physics, Geneva University

Post-doc ATLAS, Max Planck Insitut

MSc in Theoretical Physics, Gothenburg University







Career in Consulting







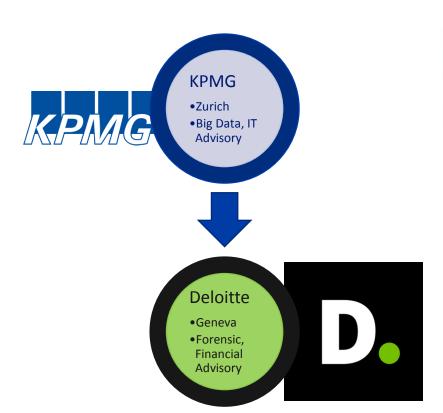


















DRIVERS LOVE A
CHALLENGE. THEY VALUE
COMPETENCE AND
PARTICULARLY ENJOY A
SHARP MIND OR SHARP
WIT.



INTEGRATORS ARE ALL ABOUT CONNECTION. THEY VALUE MEANING AND ENJOY EXPLORING DIFFERENT INTERPRETATIONS OR PERSPECTIVES.

GUARDIAN VALUE
STABILITY AND STRIVE
STABILITY AND STRIVE

CERTAINTY, THEY

FOCUS ON DETAILS

AND ARE KNOWN FOR

BRINGING ORDER TO

credibility reliability intimacy



Trust



self interest/orientation



What I Do Now

Enterprise Data Science Lead @ Philip Morris International (Lausanne)





Data Science @ PMI in 2017

- +100'000 lines of analytical code written (master branches only)
- ~2'000 data scientist candidates screened
- +600 commits to master branches
- +80 screening calls with data scientist candidates
- +30 on-site interviews with data scientist candidates
- +10 Proof of Concepts (Hypotheses) built
- 3 Data Science Labs bootstrapped in LSN, AMS & TYO
- 1 Data Ocean platform for Data Science



Every decision. Every day. Driven by data.

A very strong team following data science and big data best practices





Enterprise Analytics & Data consists of multiple roles and functions

Skills	Data Scientist	Data Engineer	DevOps
Requirements Gathering	+++	++	+
Business know-how	++++	++	++
Solution Architecture	+	++++	+++
Data modeling	+	++++	++
Statistics	++++	++	+
Programming	+++	++++	+++
Big Data Technology	++	++++	++++
Continuous Integration & Continuous Delivery	++	+++	++++
Communication and presentation skills	++++	++	++
Interpersonal skills	++++	++++	++++

