

Edvin Sidebo

PHD EXPERIMENTAL PARTICLE PHYSICS

Stockholm

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PHYSICIST/SOFTWARE DEVELOPER

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Dear Combient,

Nyckelord:

kollaboration (erfarenhet) - dela med sig, lära sig av varandra

dataanalys och avancerade statistiska modeller – statistiskt tänkande

programmering och versionshantering

digitalisering

problemlösning: det finns sällan given väg/lösning.

Dear Combient,

I was very inspired by Rahman Amandius when he came to AlbaNova in Stockholm in the fall to talk about Combient and how to transition from academia to industry (focused on data science). Combient seems to me like a place in which one can thrive personally while at the same time providing disrupting new solutions with great value for customers. I also liked to hear about the collaborative spirit which appear to be a key component in the Combient ecosystem.

I recently graduated from the Royal Institute of Technology (KTH) in Stockholm where I did research as member of the ATLAS Collaboration, one of the experiments at the particle physics laboratory CERN outside Geneva. Part of a group of about 25 people we carried out a measurement of the newly discovered Higgs particle, produced in the proton collisions made by the Large Hadron Collider. The research is largely based on analysing ATLAS' large dataset and solving problems arising in the process of understanding the data. In this work I have developed a strong analytical skill set and a creative mind. For two years I led the effort to estimate one particular source of contamination of the data, the estimation of which was crucial to reach publication. Advanced statistical methods are used to extract the most out of the data. However, I am mostly glad for the *statistical thinking* I feel I have developed—in my opinion understanding data often has to do with attitude rather than applying a series of methods from a recipe.

Best regards,

Edvin