

CERN Recruitment team

CERN

CH-1211 Geneva 23

Switzerland

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Dear Sir or Madam,

I just heard about the short-term internship at The European Organization for Nuclear Research, and I find it a very nice opportunity to get in touch with the very edge of science. I am a student major in physics and chemistry at *Universidad de los Andes*. As an undergraduate student of these natural sciences, I am very interested in understanding the atomic and subatomic world. I constantly wonder who could be better teacher than CERN, not only because of your latests discoveries such as the Higgs boson, but all the break throws made in history.

Since I was little, I had a very special interest in programming and physics. The whole idea of understanding everything around me as a finite set of principles sounded great, and I think that is where both of my interests came together. After some time, lectures and a lot of experiments, I got a descent knowledge in the language of nature and Python, both of which you are very interested in. Because of my concern in making knowledge accessible to everyone -as you do- I began the GitHub project, an effort to make public all my work. So far I have made two big softwares; the first one was intended to solve the problem of finding specific molecules in GC-MS data by making comparison with mass spectrums in public databases, while the second one was made to simplify the data acquisition in the modern physics laboratory at my *Alma mater*. CERN is one of top organizations to produce experimental data, which means there is a lot of analysis to do, and a bunch of space to improve.

I repeat, CERN a great place to learn.

Thanking you, Sir or Madam,

Juan Barbosa

Juan Barbosa

Calle 126 # 52 a 92

Bogotá

Colombia

M +57 (316) 794 6510

E js.barbsa10@uniandes.edu.co

www.github.com/jsbarbosa