

Simon Klüttermann

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Laboratoire de Physique

ENS de Lyon and CNRS
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January 31, 2021

Dear Prof. Bouchet,

i am currently looking for a PHD position, and the one you advertise [here](#) is quite interesting to me. I would like to pursue a career between some physical application and machine learning, and your advertised position would allow me to nicely combine things I already know about with things I would like to learn more about. And I might not have been able to see myself doing climate science even a couple month ago, but looking at your advertisement it seems quite enticing and I love learning new things.

Using the knowledge and skills I have acquired in my master studies, I also believe that I can provide significant value to your research group, while providing me invaluable experience to prepare me for my future career.

In (my own projects and) my theses, I have applied knowledge of machine learning and especially anomaly detection to (for example) finding new physics symptoms in jet events. Particle physics might be a bit different to your application, but I think machine learning makes it fairly easy to switch between applications. Also I have experience with working on low amounts of data (I had a model in my masters thesis that run on a few 100 events) as well as in less straight forward applications of machine learning (see my masters thesis or [here](#) and your idea of a feedback loop certainly interests me.

Regarding your Soft-skill requirements, I work well on my own, even though I also quite like to work with other peoples and frequent traveling would be problem for me.

I have never been really scared by climate change, since I believe that scientific progress can be much more powerful. And now that I have the skills to help, I would love the chance of contributing to something worth-wile.

Thank you for reading my cover letter and for considering me for this position.

Sincerely,



Simon Klüttermann

For reference letters, please write a quick email to

- Prof. Dr. Michael Krämer: mkraemer@physik.rwth-aachen.de
- Dr. Alexander Mück: mueck@physik.rwth-aachen.de






















CV Simon Klüttermann

I strongly suggest not reading this here, since this is just a port of my better (online) CV, which you find at <http://www.psorus.de/s/cv.html>







timeline

1997	born in mönchengladbach (germany)
2015	finished school (franz meyers gymnasium)
later that year	started studying physics (@RWTH university)
2018	finished bachelor studies see Thesis abstract or Thesis download aswell as my Grades
2020	finished master studies see Thesis abstract or Thesis download aswell as my Grades
final grades	depending on my master thesis somewhere between 1.4 and 2.6 (more)
update 29.01	probably 1.6










programming languages

python	   More...
visual basic	   More...
c++	   More...
solidity	   More...
php	   More...
javascript	   More...
html/css	   More...



































































languages

german	  
english	  

Legend

  	$\geq O(1000)h$ of experience
  	$O(100)h$ of experience
  	basic knowledge

skills

physics	see grades
machine learning	   More...
tensorflow	   More...
keras	   More...
automatisation	   More...
anomaly detection	   More...
statistics	   More...
genetical programming	   More...
web scraping	   More...
cryptography	  
blockchain	   More...
web development	   More...
sympy	   More...
graph theory	   More...
reinforcement learning	  
opengl	  
flask	  
microcontroller programming	  
vim	  
numpy	  
matplotlib	  
bash	  
latex	  
scipy	