



Sofie Filskov Hermansen

cand.scient. in Astrophysics



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IT

Python



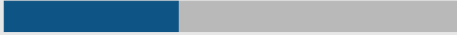
MatLab



C



SQL



LaTeX



Microsoft Word, Excel and PowerPoint



Language

Danish



English



Other

- Structured
- Analytical
- Responsible
- Adaptable
- Positive
- Social

Profile

I have a Bachelor's degree in Physics and a Master's degree in Astrophysics, which makes me professionally strong in data processing, data analyzing and project work. Preferably, I do data processing in the programming languages Python, C and Matlab, but as I am curious and eager to learn, I always look forward to the opportunity to learn new programming languages, and will be able to do so quickly. I have experience working with many different types of data, the latest of which are data from The Hubble Space Telescope used for my Master's thesis. Currently, I am writing an article on my results from this.

I have always been a curious person and am happy to gain new knowledge, which makes me evolve both professionally and socially. This has also made me seek challenges, which have been of both programming nature and in the leader role.

Education

- 2019 **Master's thesis** Stellar Astrophysics Centre, Aarhus
Broadband transmission spectroscopy with HST of the ultra hot Jupiter WASP-76b, grade: 12/12
- 2017—2019 **MS in Astrophysics** Institute for Physics and Astronomy, Aarhus University
Master's degree in Astrophysics
- 2017 **Bachelor's project** Institute for Physics and Astronomy, Aarhus University
Broadband transmission spectroscopy of HD 189733 b, grade: 12/12
- 2014—2017 **BSc in Physics** Institute for Physics and Astronomy, Aarhus University
Bachelor's degree in Physics
- 2011—2014 **STX** Middelfart Gymnasium
Mathematics/Physics

Experience

- 2019— **Book critic** Forlaget Forfatterskabet.dk, *Volunteer work*
- 2017—2018 **Chairman** TÅGEKAMMERET, Aarhus University, *volunteer work*
Responsible for the social union TÅGEKAMMERET. The responsibilities among others include chairing two weekly meetings, communication with the university and mails in general and the coordination and organization of the union
- 2016—2017 **Board member** Mat/Fys-Tutorgruppen, Aarhus University, *volunteer work*
Responsible for the coordinating of the working groups of the union and organising the meeting for the groups
- 2016—2017 **Bur tutor** Mat/Fys-Tutorgruppen, Aarhus University, *volunteer work*
Responsible for the introduction of the university to the new students
- 2015—2016 **Bur tutor** Mat/Fys-Tutorgruppen, Aarhus University, *volunteer work*
Responsible for the introduction of the university to the new students. Furthermore, I was responsible for the evaluation of the work during the year and presenting this to the rest of the union

- 2015—2019 **Student representative** Committee of education, Aarhus University, *volunteer work*
Ensuring the quality of the education
- 2014—2015 **Tutor** Mat/Fys-Tutorgruppen, Aarhus University, *volunteer work*
General member of the union with responsibility for around 24 new students
- 2013—2014 **Senior shop employee** Fakta,
Responsible for the younger shop employees and great experience with customer service

Hobbies

I am very fond of exercising and have exercised many different kinds of sport for example running, hip hop, swing, football, handball and quidditch. Furthermore, I have been part of starting and expanding quidditch in Denmark and have played at the European Quidditch Cup 2018 in Pfaffenhofen.

I read a lot in my spare time and enjoy relaxing with a good book. I also write a lot and have written a lot of humorous material to our local student revue, where I have also performed on stage.

I am skilled with a sewing machine and am often doing creative projects of both small and big measure. In regard to this, I have also made costumes and props for the local student revue.