



Nathan Hugh Barr

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Nathan Hugh Barr

Night receptionist, deltid, Scandic Webers

Profile My past jobs have been more focused on academia and teaching, but i am confident that i can contribute to Scandic by being a friendly face, welcoming guests into the hotel and completing relevant tasks necessary for the smooth operation of the hotel. I am service minded and willing to meet the guests wishes and needs. I am not shy when receiving constructive criticism and i am able to incorporate them immediately. I am a quick learner and proficient with computers.

Education

2016 - 2019, Roskilde University

Master of Science in Physics and Mathematics

Master Thesis:

- Title: *Understanding the reflectivity of diblock and triblock polymers.*
- Still in progress
- Grade:

2013 - 2016, Roskilde Universitet

Bachelor of Natural Science in Physics and Mathematics

Bachelor project:

- Title: *Mathematical competencies gained in Danish High School Education from 1958 to the present - using integrals as a case study.*
- In this project we attempted to measure which mathematical competences were strengthened and weakened through out three periods during a period from 1958 to the present. The used the formal theory of integrals as a case study.
- Grade: 10

Experience and Volunteering

January 2015 - December 2018, Private tutor, My academy

Mathematics and Physics tutor working primarily with students who found the subjects difficult. My job was to asses and correct their way of thinking in the subjects while creating a learning environment best suited to their learning outcomes. I am able to convey ideas clearly and coach the student in ways to handle problems and exam situations. I also have experience assessing the students pitfalls and planning new sessions.

October 2015 - December 2018, Science Show Representative

One of the founding students of RUC's science show. Responsible for preparation and planning of new experiments and shows at various Danish high schools. The competences that i have gained through being a science show representative are the following. Comfortable speak in public and being able to engage audiences. I have didactic competence in setting the explanation of concepts in science for different age groups. I am able to uphold agreements and meet deadlines. I work well in a team environment.

June 2017 - June 2018, Co-creator at Roskilde Festival, Volunteering

I have helped build and take down art exhibitions, stages and stage areas, working 100+ hours over a 14 day period. My jobs have also included driving telehandlers transporting heavy goods and painting various installations.



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Technical skills

Programming and systems

- GNU Octave
- MatLab

Computer Software

- Linux
- LaTeX
- Microsoft Office

Language

Danish

- Professional

English

- Mother tongue

Interests

Professional

Mathematical Modeling, Computational Physics and programming, Experimental Physics: Small angle x-ray scattering, Grazing incidence small angle scattering, Dynamic light scattering, Reflectometry

Personal

I am a 29 year old Australian who has lived in Danmark for 10 years. I am both an Australian and Danish citizen and i am currently writing my master thesis in experimental physics which will be completed and handed in May. I am looking for a weekend job to get my mind off my master thesis. In my free time i practice bass guitar, enjoy reading, riding on my road bike and running.