



Nathan Hugh Barr

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Nathan Hugh Barr

From data to insight.

My Motivation I view working with data like solving a puzzle. I enjoy the systematic procedure of unpacking data and analysing data sets for interesting features and trends. I am satisfied when I produce a complete report.

Professional Profile

- Database Knowledge - SQL
- Programming Skills - Python
- Statistical Analysis
- Data Visualisation
- Mathematical Modelling
 - Differential equations
 - Partial differential equations
- Dynamical Systems
- Self-driven
- Team Player
- Organisation and planning skills
- Problem Solver
- Great communication skills

Experience

2020 - present : Birkerød Gymnasium - Mathematics Teacher

Projects:

- Robots in the classroom – learning subject matter in STEM subjects through the programming of robots.
- Implementing of Machine learning and AI in STEM subjects

September 2016 and September 2017, *Teachers Assistant-RUC, Data processing and Statistics.*

- Teaching - basic programming, scripting and functions.
- Teaching - Introduction statistics in natural science.

January 2015 - December 2018, *Private tutor, My academy.*

October 2015 - December 2018, *Science Show Representative, Roskilde University.*

Education

2016 - 2019, Roskilde University

Master of Science in Physics and Mathematics

2013 - 2016, Roskilde Universitet

Bachelor of Natural Science in Physics and Mathematics

Technical skills

Programming and systems

- R
- Python
- Matlab

Computer Software

- Linux
- LaTeX
- Microsoft Office



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Language

Danish

- Professional(Reading,Speaking) - Intermediate(Writing)

English

- Mother tongue

Interests

Professional

Programming, Machine Learning, Robots, Education, Computational Physics, Experimental Physics: SAXS, GISAS and Dynamic light scattering

Personal

I am a 32 year old Australian born who has lived in Denmark for 14 years. My hobbies are running, bikepacking, playing bass guitar, playing board games and playing Magic the gathering (trading card game). A big part of my summer before Corona hit was volunteering at Roskilde festival. I am on the building crew who builds the Pavilion stage and the Pavilion area.