

PIM NELISSEN

Computational Science, Physics

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Lund, Sweden

 pim-nelissen

 pim-n

EDUCATION

M.Sc. Computational Science, Physics

Lund University

📅 Sep 2024 – *ongoing*

📍 Lund, Sweden

- Since Aug. 2025, I am doing a research project determining the level and origin of anthropogenic radionuclides in the observed concentrations on the Swedish west coast. This will be done by correlation studies of observed data and known liquid discharge data from various nuclear facilities in Sweden, the UK and France.

ODE/PDEs

Subatomic physics

Reactor physics

Data visualisation

Git

Machine learning

B.Sc. Physics

Lund University

📅 Sep 2020 – Jun 2024

📍 Lund, Sweden

- My thesis involved machine learning applied to Monte Carlo simulated data of radioactive decays from superheavy nuclei.

Monte Carlo

Deep Learning

EXPERIENCE

Teaching assistant

Lund University

📅 Sep 2025 – *ongoing*

📍 Lund, Sweden

- Assisting the first-year undergraduate students in mathematics and physics in the introductory scientific programming course "Computational Programming with Python".

Sales

Jumbo Supermarkten

📅 Nov 2015 – Aug 2020

📍 Oss, Netherlands

- Promoted in 2018 to specialist, responsibilities included occasional leadership of a team of 3-5 people.

VOLUNTEERING

System Administrator

DFRI

📅 Jun – Aug 2023

📍 Sweden

- I did some Linux system maintenance and projects at a non-profit dedicated to digital rights and privacy, particularly working with Docker and Nextcloud.

SUMMER SCHOOLS

ENEN2plus Summer School

Budapest University of Tech. and Econ. (BME)

📅 Sep 2025

📍 Budapest, Hungary

- An intensive 1-week course on reactor physics at the BME training reactor. Activities included hands-on experiments and analysis of obtained data. The course was organised under the ENEN2plus program.

HIGHLIGHTED COURSES

Computational Reactor Physics with Python

Artificial Neural Networks and Deep Learning

Numerical methods for Differential Equations

Introduction to Databases

ONLINE WORKSHOPS



HPC with Python

Jülich Supercomputing Centre (2025)



Intermediate Bash and Linux

HPC2N, Umeå University (2025)



Introduction to Fortran

Leibniz Supercomputing Centre (2025)



Git, code testing and documentation

EPFL CECAM, BioNT (2025)

TECHNICAL SKILLS

Python

Linux

MATLAB

Git

OpenMC

TensorFlow

C#

SQL

LANGUAGES

Dutch (Native)

English (IELTS Certified)

German

Swedish



PUBLICATIONS



Bachelor's Thesis

- P. Nelissen, *Scrutinizing the Schmidt Test and Exploring the Use of Machine Learning for Statistical Assessment of Radioactive Decay Chains...* Lund University Publications, 2024. [Online]. Available: <http://lup.lub.lu.se/student-papers/record/9168893>.