



THOMAS RENSTRÖM | CV

» » Nature loving mathematician « «



- » **Now:** Just finished my masters thesis in numerical analysis
- » **Before:** At home carer, various service work
- » **Codes:** Python, Java, C, LaTeX, R, Modelica
- » **Speaks:** Fluently: Swedish, English
Tourist level: French, German
- » **Free time:** Gaming with friends, different types of crafts, hiking
- » **Other:** Drivers license since 2005, Linux proficient

Masters program in mathematics (Lund university)

2022 - 2023

- » Specialization in Numerical Analysis
- » Courses in numerical approximation, simulation and modeling
- » Did my thesis at Modelon, Lund

Bachelors program in mathematics (Lund university)

2019 - 2022

- » Specialization in Numerical Analysis
- » Courses including mathematics, statistics and programming
- » During my studies I coded in Python, Java, R and C
- » My bachelor's thesis compared the optimal Arnoldi approximation to the best Chebyshev approximation using a complex version of Remez algorithm

Bachelors program in physics (Lund university)

2012 - 2014

Bachelors program in Cultural Studies (Linköping university)

2007 - 2008

EDUCATION

LinkedIn, GitHub and more information at renstrom.dev

Embedded developer (Cocoon Airbag Protection AB, Lund)

2025

- » Was brought on through a consultant company in January 2025
- » Worked on training and deploying machine learning based software for embedded systems
- » Used machine learning methods from the Python package scikit-learn

Master thesis project (Modelon, Lund)

2023

- » Worked with PyFMI, a Python package for interacting with FMUs
- » Analyzed an issue with PyFMIs method for approximating Jacobians for use in the solvers CVode and Radau5
- » During the project I read code in Python, Cython, C, Modelica och Fortran

At home carer (Ekens Assistans, Lund)

2017 - 2019

Store clerk with extended responsibility (Erikshjälpen, Lund)

2015 - 2016

EXPERIENCE