

# THOMAS RENSTRÖM | CV

»» Newly minted master in mathematics ««



- » **Now:** Just finished my masters thesis in numerical analysis
- » **Before:** At home carer, various service work
- » **Codes:** Python, Java, C, LaTeX, R
- » **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 och 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

For more information, see [renstrom.dev](https://renstrom.dev)



## Master thesis project (Modelon, Lund)

2023

- » Worked with PyFMI, a Python package for interacting with FMUs
- » Analyzed an issue with PyFMI's 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

## Kitchen and serving work (Linköping municipality, Linköping)

2010

## Account Manager for the Swedish market (National Pen Ltd., Dundalk)

2005 - 2006

## EXPERIENCE