

THOMAS RENSTRÖM | CV

»» Mathematician in the final stages of my Master's degree. ««



- » **Now:** Writing my master's thesis in numerical analysis
- » **Before:** At-home carer, various service work
- » **Codes:** Python, Java, C
- » **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

EDUCATION

Masters program in mathematics (Lund university) 2022 - 2023

- » Specialization in Numerical Analysis.
- » Courses in for example numerical approximation, simulation and modeling.
- » Currently writing my thesis which will be completed in the fall of 2023.

Bachelors program in mathematics (Lund university) 2019 - 2022

- » Specialization in Numerical Analysis.
- » Courses in mathematics, statistics and programming.
- » Have during my education coded in Python, Java, R och C.
- » My thesis compared the optimal Arnoldi approximation with the best Chebychev approximation using a complex version of Remez algorithm.

Bachelors program in physics (Lunds university) 2012 - 2014

Bachelors program in Cultural Studies (Linköping university) 2007 - 2008

High school (Platenskolan, Motala) 2002 - 2005

For more information, see renstrom.dev

EXPERIENCE

Internship for Master's thesis (Modelon, Lund) 2023

- » Worked with PyFMI, a Python package for interacting with FMUs.
- » Analyzed an issue with PyFMIs method for approximating Jacobians for the ODE solvers CVode and Radau5.
- » Have during my project read code in Python, Cython, C, Modelica and 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