· Halmstad, Sverige · thomas@renstrom.dev · +46 73 70 98 005 ·

Thomas Renström | CV

Nature loving mathematician

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

Education

Masters program in mathematics (Lund university) 2022 - 2024

- 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

LinkedIn, GitHub and more information at **renstrom.dev**

Experience

Embedded developer (Knowit Connectivity, Lund) 2025

- Started working at Ericsson through Knowit in April 2025
- Developing telecom features in C and tests in Python

Embedded developer (Cocoon Airbag Protection AB, Lund) 2025

- Was brought on through a consultant company for a short project 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

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