

# Rasmus Frigaard Lemvig - Curriculum Vitae

**Birthday:** January 1st, 1999

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## Education

**University of Copenhagen**

**Master of Science in Actuarial Mathematics** (*Nov 2022 - present*)

**University of Copenhagen**

**Bachelor of Science in Actuarial Mathematics** (*Sep 2021 - Jun 2023*)

**University of Copenhagen**

**Bachelor of Science in Mathematics** (*Sep 2018 - Jun 2021*)

**Thesis: Cubic and Quartic Reciprocity - Supervised by Ian Kiming**

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## Working experience

**University of Copenhagen - Department of Mathematical Sciences**

**Teaching assistant** (*Sep 2020 - present*) in the following courses:

- Continuous Time Finance
- Advanced Probability Theory 2
- Stochastic Processes in Non-Life Insurance
- Insurance and Law
- Probability Theory 2
- Analysis 0
- Probability Theory
- Lebesgue Integral and Measure Theory
- BrushUp Course in Mathematics + BrushUp Course in Mathematics for Biochemistry
- Discrete Mathematical Methods
- Geometry 1
- Linear Algebra in the Mathematical Sciences
- Introduction to the Mathematical Sciences

**GoTutor**

**Freelance Tutor** (*2019-2020*)

Tutoring in high school mathematics

**Self-employed**

**Tutor** (*Sep 2021 - present*)

Tutoring in various courses at the University of Copenhagen

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## Academic proficiencies

**Probability theory:** Stochastic processes including Markov chains, the basics of life and non-life insurance  
**Statistics:** GLMs, mixed models, basics of Bayesian statistics, ridge regression and LASSO, some practical experience with machine learning, causal models

## Programming proficiencies

**R:** professional working proficiency  
**C++:** basic knowledge  
**Python:** basic knowledge

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## Volunteer work

### Danish Youth Association of Science (UNF)

**Volunteer** (*Jan 2016 - present*)

- **Cofounder of, coordinator and teacher at** UNF Science Weekend (2019 - 2023), a biannual weekend camp for elementary school students with 85 participants and 30 volunteers.
- **Teacher at** Mathematics Camp from 2021 to 2024.
- **Night watchman at** Chemistry Camp 2019 and at Computer Science Camp 2023.
- **Responsible** for arranging lectures in various mathematical topics (*Dec 2018 - present*)
- **Teacher** in several workshops. Topics: Linear algebra, number theory, graph theory, sums and sequences, differential equations, differential calculus, integral calculus.
- **Coordinator of and teacher in** the project Evenings of Natural Science Education where we taught young Ukrainian refugees.
- **Secretary** in the local branch UNF Copenhagen *Jul 2020 - March 2021*

### University of Copenhagen - Department of Mathematical Sciences

**Student representative in the Board of Education** (*June 2022 - present*)

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## Miscellaneous

**Languages:** Danish (mother tongue), English (fluent)

**Interests:** Reading, in particular science fiction, horror and fantasy. Learning German, running, teaching mathematics. Music, in particular metal (especially power metal), rock and synthwave.