



# Mark Lyngesen

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Aarhus, Denmark

 [linkedin.com/in/marklyngesen](https://www.linkedin.com/in/marklyngesen)  University Page



## EDUCATION

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### PhD student in Operations Research

Sep. 2023 - Aug. 2026

Department of Economics and Business Economics  
Aarhus University, Aarhus, Denmark

*Research in the use of multi-objective optimization methods for linear and combinatorial optimization problems.*

MAIN SUPERVISOR: Sune Lauth Gadegaard

CO-SUPERVISOR: Lars Relund Nielsen

### Master of Science (MSc) in Mathematics-Economics

Jun. 2021 - Jun. 2023

Department of Mathematics  
Aarhus University, Aarhus, Denmark

*With specialization in Operations Research.*

THESIS: A bi-objective approach to shift scheduling for Bilka-To-Go

### Exchange Semester

Apr. 2022 - Sep. 2022

Department of Mathematics  
Technical University Munich, Munich, Germany

*Exchange as part of Master's Degree in Mathematics-Economics.*

### Bachelor of Science (BSc) in Mathematics-Economics

Aug. 2018 - Jun. 2021

Department of Mathematics  
Aarhus University, Aarhus, Denmark

THESIS: Max-Partitioning Problems in Graphs

### Commercial High school (HHX) and Retail/sales education (EUD)

Aug. 2014 - Jun. 2018

Aarhus Business Collage  
Aarhus, Denmark

## EMPLOYMENT

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### Student Assistant

Nov. 2020 - Jun. 2023

Department for Management information and Financial Management  
Aarhus Municipality, Aarhus, Denmark

*Front-end developer of business intelligence dashboards in Targit. Dashboards are used internally for Financial Management and HR purposes. Public dashboards are available at aarhus.dk/AiT. Python scripts for automation and development of internal task management tool.*

### Mentor/Student Counselor

Apr. 2020 - Apr. 2022

Department of Mathematics  
Aarhus University, Aarhus, Denmark

### Student Assistant

Sep. 2018 - May. 2020

AU Library  
The Royal Danish Library, Aarhus, Denmark

### Retail/sales trainee

Aug. 2017 - Aug. 2018

Scandinavian Design House  
Vienna, Austria

*In tandem with Retail education at Aarhus Business College.*

## VOLUNTEERING

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<b>Mentor</b> - iMentor <i>International mentoring programme organizing social events and providing general support for international students at Aarhus University.</i>	<i>Fall 2022 &amp; Spring 2023</i>
<b>Student representative</b> - Program Committee Mathematics-Economics Bachelor/Master programmes.	<i>2020 - 2022</i>
<b>Vice-chairman</b> - MØF Association for Mathematics-Economics students at Aarhus University.	<i>2020 - 2021</i>
<b>Tutor</b> - Mat/Fys-Tutorgruppen <i>Social host for incoming Bachelor students.</i>	<i>2019 - 2020</i>
<b>Judge</b> - DM i Gymnasiematik <i>Danish championship in high school mathematics.</i>	<i>2020</i>

## TEACHING EXPERIENCE

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<b>Instructor/Teaching assistant</b> Course: Tools for Analytics Degree Programme: MSc Economics and Business Administration <i>Introduction to programming in VBA and R.</i>	<i>Sep. 2023 - Dec. 2023</i>
<b>Brush-Up Course in Mathematics</b> Department of Mathematics Aarhus University, Aarhus, Denmark <i>Modifying, setting up and creating parts of learning material for a Brush-Up Course in high school mathematics. The course is offered through the Brightspace LMS for all incoming students for Bachelor programmes in the Faculty of Natural Sciences and some programmes in the Faculty of Technical Sciences at Aarhus University.</i>	<i>Mar. 2022 - Apr. 2022</i>
<b>Mentor</b> Department of Mathematics Aarhus University, Aarhus, Denmark <i>Helping incoming students on the Bachelor programmes for Mathematics and Mathematics-Economics. Creating workshops teaching several subjects in Mathematics.</i>	<i>Apr. 2020 - Apr. 2022</i>
<b>Private Math tutor</b> High School Mathematics Aarhus, Denmark	<i>Apr. 2019 - May. 2020</i>

## SKILLS SUMMARY

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<b>Languages</b>	Danish (Native), English (Fluent), German (Proficient)
<b>Programming</b>	Python, R, VBA, Javascript, PHP, SQL
<b>Software</b>	CPLEX (Optimization), AnyLogic (Simulation), Targit (BI)
<b>Tools</b>	LaTeX, Microsoft Office, VIM
<b>Platforms</b>	Linux, Windows, Mac