

# CV



## SKILLS

Linear Programming  
Integer Programming  
MIP/MILP Modeling  
Decomposition  
Column Generation  
Stochastic Programming  
Graph Theory  
Network Optimization  
Algorithm Design  
Algorithm Analysis  
Data Structures  
Metaheuristics  
Machine Learning

## PROGRAMMING

Julia  
C  
Python  
Java  
MATLAB





**in** [www.linkedin.com/in/siv-soerensen](https://www.linkedin.com/in/siv-soerensen)  
**☎** Please enquire  
**✉** Please enquire  
**🌐** Skodsborg, Denmark

## EXPERIENCE

- |  |             |
|--|-------------|
| <b>POSTDOC IN OPERATIONS RESEARCH</b><br>DTU MANAGEMENT<br>Same project as my PhD (6-month contract)   | 2024 - 2025 |
| <b>PHD CANDIDATE IN OPERATIONS RESEARCH</b><br>DTU MANAGEMENT, SUPERVISED BY DAVID PISINGER<br>Title: Integrated Fault Localization and Field Service Logistics                      | 2021 - 2024 |
| <b>STUDENT ASSISTANT IN HOLO AIR</b><br>HOLO, SEMLER GROUP   | 2019 - 2021 |
| <b>STUDENT ASSISTANT IN R&amp;D</b><br>AMMINEX<br>Hands-on mechanical and electrical tasks and CAD   | 2018 - 2019 |
| <b>TEACHING ASSISTANT</b><br>TECHNICAL UNIVERSITY OF DENMARK<br><b>Subjects:</b> 'Engineering Work' and 'Fluid Mechanics'  | 2017 - 2018 |
| <b>TUTOR, STUDENT ASSISTANT, WAITRESS, CASHIER</b><br>MENTOR DENMARK, CHEMINOVA, COLUMBUS PUB & STEAKHOUSE,<br>CITY KIOSKEN LEMVIG<br>Various employment throughout my teenage years | 2010 - 2017 |

## EDUCATION

- |   |             |
|---|-------------|
| <b>M.SC. MATHEMATICAL MODELING AND COMPUTATION</b><br>TECHNICAL UNIVERSITY OF DENMARK (DTU)<br><b>Specialization:</b> OR, Mathematical Modeling, Algorithms and Data Structures<br><b>GPA:</b> 11.1/12 <b>Thesis:</b> 10/12 | 2019 - 2021 |
| <b>B.Sc. MECHANICAL ENGINEERING</b><br>TECHNICAL UNIVERSITY OF DENMARK (DTU)<br><b>GPA:</b> 10.5/12 <b>Thesis:</b> 12/12  | 2016 - 2019 |
| <b>ASPIRING FEMALE LEADERSHIP PROGRAM</b><br>MCKINSEY & COMPANY   | 2018 - 2018 |
| <b>INTERNATIONAL BACCALAUREATE (IB)</b><br>STRUER STATSGYMNASIUM<br><b>GPA:</b> 42/45, top 4% worldwide of 142,000 students   | 2013 - 2015 |
| <b>EXCHANGE STUDENT</b><br>ST. LOUIS HIGH SCHOOL, MICHIGAN, USA<br><b>GPA:</b> 4.0  | 2012 - 2013 |

 [www.linkedin.com/in/siv-soerensen](https://www.linkedin.com/in/siv-soerensen)  
 Please enquire  
 Please enquire  
 Skodsborg, Denmark

## PUBLICATIONSSS

<b>A CONSENSUS FIXING HEURISTIC TO WORKFORCE INVESTMENTS IN FIELD SERVICE</b>	2025
COMPUTERS & OPERATIONS RESEARCH, ACCEPTED (PEER-REVIEWED)	
<b>INTEGRATED FAULT LOCALIZATION AND FIELD SERVICE LOGISTICS</b>	2025
PHD DISSERTATION	
<b>TOPOLOGY RECONSTRUCTION IN TELECOMMUNICATION NETWORKS: EMBEDDING OPERATIONS RESEARCH WITHIN DEEP LEARNING</b>	2024
COMPUTERS & OPERATIONS RESEARCH, 176:106960 (PEER-REVIEWED)	
<b>TOPOLOGY RECONSTRUCTION USING TIME SERIES DATA IN TELECOMMUNICATION NETWORKS</b>	2023
NETWORKS, 83(2):408–427 (PEER-REVIEWED)	
<b>HYDRODYNAMICS OF PREY CAPTURE AND TRANSPORTATION IN CHOANOFLAGELLATES</b>	2021
FLUIDS, 6(3), 94 (PEER-REVIEWED)	

## OTHER

<b>PHD ASSOCIATION DTU</b>	2023 - 2024
BOARD MEMBER	
PHD WELLBEING AND POLITICAL PROFILE	