

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
- ✉** Please enquire
- ✉** Please enquire
- 🌐** Skodsborg, Denmark

EXPERIENCE

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

EDUCATION

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

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PUBLICATIONSSS

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

OTHER

PHD ASSOCIATION DTU BOARD MEMBER PHD WELLBEING AND POLITICAL PROFILE	2023 - 2024
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