

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

OTHER

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