

## SUMMARY

I am specialized in operations analysis and operations management, with an interest for operations research, supply chain management, and really anything business relevant. What drives me is optimization, and the satisfaction of being able to see improvements, e.g. in KPIs or revenue etc. Previous experiences show that when an interest or a curiosity emerges in me, I will tirelessly work on said interest, for instance in understanding quantum mechanics. I have a high sense of detail, and can dig to find and evaluate the tiniest problems, while still seeing the bigger picture. I am a humorous, energetic, well-oiled machine, whose only flaw is my consumption of coffee.

## WORK

### Student Programmer / 2017 - 2019

#### Nine A/S - Copenhagen

As a student programmer in a IT consultancy firm, I carried out company internal tasks, which helped me develop as a **software engineer**. These various tasks included using technologies such as Docker, Jenkins, ELK Stack whereas the Docker skill was utilized within the Danish Business Authority (Erhvervsstyrelsen), where I as a student programmer assisted on integrating the Danish CVR database into a cloud solution. There has been done frontend development in Angular and Vue, however to a minimal degree since I worked primarily on backend and devops tasks. Furthermore, I did practical internal tasks such as automating a shell script to move G-Suite domains, and setting up A/V solutions for streaming and recording, e.g. conferences.

Jenkins Azure Google Cloud AWS Git Docker  
ELK Stack Node.js Angular Vue

## SKILLS

**Programming Languages:** Python, C, Java, Julia, MATLAB, Bash, JavaScript

**Human languages:** Danish, English

**Tools:** Julia, JuMP, CPLEX, Git, Docker, Jenkins, AWS, Azure, Google Cloud, Angular, Vue, PostgreSQL, Tomcat, ELK Stack,  $\text{\LaTeX}$ , Microsoft Office

**Algorithms:** Dantzig-Wolfe Decomposition, Benders Decomposition, (various) metaheuristics, network optimization, ...

**Other:** CI/CD, Web, Data science and ML, Cloud computing, LCA

## EDUCATION

### Industrial Engineering Management - 2021

*Master, The Technical University of Denmark*

**Thesis** OPTIMIZATION OF THE INVENTORY ROUTING PROBLEM FOR ECCO SKO A/S IN RUSSIA

An MSc programme that combines the field of engineering with planning, innovation, and management competencies, with a specialization in *Management and Analysis of Operations*: Utilization of Operations Management and Operations Research to focus on quantitative management and engineering methods to effectively **plan and control** production systems and networks from the strategic down to the operational level.

Operations Research Data Science Optimization  
Operations Analysis Operations Management  
Supply Chain Management Sustainability Economy  
Lean Planning Scheduling

### Eng. Physics and Nanotechnology - 2017

*Bachelor, The Technical University of Denmark*

**Thesis** QUANTUM INFORMATION TECHNOLOGY WITH QUANTUM DOTS IN NANOWIRES

Rigorous training in advanced mathematics in terms of modelling as well as application, which utilizes tools such as programming, data processing and simulation.

Advanced Engineering Mathematics Coding  
Simulating Data Mining Machine Learning  
Parallel Programming Project Management  
Statistics Data Analysis Advanced physics



## OTHER PROJECTS

- Part of the university sketch show, **PF Revyen** (2016-2020), both on stage with performing and writing acts and music, and back-stage organizing the show.
- Part of the university sketch show steering committee, **PF Humor**, **planning, scheduling and organizing** a show consisting of ~70 engineering students, **communicating** with other departments of PF (Polyteknisk Forening), **leading** day-to-day activities, and **economically responsible** with a budget around DKK 175.000.
- Composing and producing music at **RosenRecords**. Furthermore, developing podcasts and making Python scripts calculating distributions of royalties



## CERTIFICATIONS

- ISO 21500 Project Management

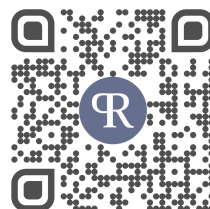


## ACTIVITIES / INTERESTS

Proactive about learning and grinding. I have a big passion for music, which caused me to establish RosenRecords. Favorite physical activities would be football, which I have played for five years in my younger days, and I follow professional European football, where the team aspects seems to satisfy me the most, since I was not the most individually/technically skilled player. Furthermore, I have recently become interested in martial arts.



**Poul**  
Rosenberg  
Master of Science in Engineering



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