Mathematical problemsolver with flair for AI and optimization

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PERSONAL PROFILE

I am an active and curious person who keeps both body and mind engaged through fitness, running, climbing, and strategic games. I enjoy playing board and computer games, especially those requiring strategy and cooperation. I often combine solo gaming with watching entertainment, news, or documentaries on YouTube.

My interests enhance both my mental and physical abilities and help me develop skills in collaboration, strategy, discipline, and learning. I find it motivating to work with new people and experience how their perspectives and strengths complement my own.

LANGUAGES

Danish Native
English Fluent
German Basic

PROGRAMMING

Python, Julia, Matlab, C/C++, R, Java, SAS

Powered by LaTeX

PROFESSIONAL PROFILE

As a newly graduated MSc in Mathematical Modelling and Computing from DTU, I have a strong passion for applying mathematical and data-driven methods to understand and solve complex real-world problems. Through my education, specialized courses, and projects, I have gained solid experience in machine learning, deep learning (AI), simulation, scientific computing, and optimization. I work in a structured, analytical, and goal-oriented way to develop robust solutions, and thrive with challenges that both test my skills and provide opportunities for professional development.

CORE COMPETENCIES

- **Mathematical Modelling and Optimization**
- **Machine Learning and Data Analysis**
- **Numerical Algorithms and Simulation**
- **Interdisciplinary Technical Understanding**
- **Technical Communication**

EDUCATION

MSc in Mathematical Modelling and Computing // DTU **2022 – 2025**
I have specialized in machine learning techniques focusing on deep learning, computer vision, Bayesian and model-based machine learning, computational data analysis, and high-performance computing. My thesis involved a deep investigation into Universal Physics-Informed Neural Networks for discovering hidden/unknown dynamics in dynamical systems.

BSc in Mathematics and Technology // DTU **2019 – 2022**
I have acquired fundamental knowledge and skills in applied mathematics and data-driven techniques with a focus on mathematical modelling, optimization, and numerical methods through courses in machine learning, graph theory, image analysis, operations research, numerical algorithms, simulation, statistics, probability, advanced mathematics, and programming.

EXPERIENCE

Teaching Assistant // DTU **Sep 2024 - Dec 2024**
As a teaching assistant in the courses Deep Learning, Introduction to Programming, and Multivariate Statistics, I have developed strong skills in communicating technically complex topics to individuals with limited prior knowledge, which has strengthened my abilities in both communication and technical guidance.