



Alex Alonso Dalbøl



[alexdalboel.github.io](https://github.com/alexdalboel)



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Profile

I am a passionate and analytical Data Science graduate student from the University of Southern Denmark (SDU), set to complete my degree in June 2025. With a background as a trained teacher, I combine my pedagogical skills with strong competencies in machine learning, data analysis, and visualization. I thrive on transforming complex datasets into practical solutions and have experience teaching statistics and linear algebra, as well as developing ML models as part of an interdisciplinary European research project for my Master Project. I am driven by creating valuable solutions that benefit society.

Skills

Programming | Python, R, JavaScript, HTML

Machine Learning | TensorFlow, scikit-learn, feature engineering, model development, explainable AI

Data handling and analysis | Pandas, NumPy, SQL, data wrangling

Visualization | Seaborn, Dash, Plotly

Communication | Experienced in communicating technical concepts to non-specialists.

Languages

Danish

English

Spanish

Education

MSc, Data Science – University of Southern Denmark (SDU)

2023 – 2025

- Master Project in Machine Learning with focus on computer vision and object detection.
- Courses include Data Mining and Machine Learning, Multivariate Statistical Analysis, Visualization, Data-Driven Applications, Web Development.

BA, Education – University College Lillebælt (UCL)

2016 – 2023

- Specialized in English, History and Religious studies.

Experience

Master's Thesis: *Enhancing Object Detection for Holocaust-Related Art*

- Fine-tuning object detection models on a domain-specific dataset enriched with annotations relevant to Holocaust-related art.
- Contributing to the MEMORISE project, advancing AI-based tools for analysing and interpreting historical artworks, enhancing accessibility and understanding.

Instructor – University of Southern Denmark

Aug 2024 – Feb 2025

- Instructor in Linear Algebra and Statistics for Data Science students.
- Facilitates exercises and guides students through complex mathematical and statistical concepts.
- Experienced in presenting complex topics in a clear and accessible manner.