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Employment History

2024 – · · · · **Student Research Asisstant**, DTU Compute.
Investigating convexity as part of the Cognitive Spaces project.

2022 – 2024 **Student Asisstant**, Danish Energy Agency (Energistyrelsen).
Development of weather-dependent energy models, e.g. forecasting framework for electricity and gas consumption, a reinforcement learning agent for simulating trading of renewables. Continuous development of RAMSES, a techno-economic optimization model used in Denmark's Climate Status and Outlook[1]*. Data infrastructure including CI/CD, package design and database management.*

2020 – 2023 **Teaching Assistant**, Technical University of Denmark (DTU).
- 02461 Introduction to Intelligent Systems (fall 2020)
- 02462 Signals and Data (spring 2021)
- 02450 Introduction to Machine Learning and Data Mining (fall 2022)
- 02471 Machine Learning for Signal Processing (fall 2023)
- 02477 Bayesian Machine Learning (spring 2024)

2012 – 2020 **Tennis instructor**, Hjortekær Tennisklub.
Certified at levels K1-K4 from Dansk Tennis Forbund (DTF).

Education

2022 – 2025 **MSc. Eng. Human-Centered Artificial Intelligence**, Technical University of Denmark.
Thesis title: *TBA*

2019 – 2022 **BSc. Eng. Artificial Intelligence and Data Science**, Technical University of Denmark.
Thesis title: *Visual Question Answering with Knowledge-based Semantics*
Thesis grade: 12 (A)
GPA: 10.07 / 12 (Danish scale)

2021 – 2022 **Exchange semester, Computer and Communication Sciences**, EPFL, Switzerland.
Elective courses related to Artificial Intelligence and Data Science.

2014 – 2017 **High school, STX**, Aurehøj Gymnasium.
Mathematics A, Music A, Physics A

[1] Model documentation: https://ens.dk/en/our-services/projections-and-models/models

Projects

2024 — **Active Bayesian Deep Learning**, Special Course at DTU
Project title: *Decoding EPIG: Understanding Challenges in Low-dimensional Settings*.

2023 — **Estimating uncertainty for molecular graphs with Evidential Deep Learning**,
Project title: *Uncertainty Quanitification in Graph Neural Networks*.

2022 — **Bachelor's thesis on Visual Question Answering**,
Project title: *Visual Question Answering with Knowledge-based Semantics*.

2021 — **Cooperative Embodied Intelligence**, Visual Intelligence (ID: CS-503) at EPFL.
Project title: *Distributed Vision in Reinforcement Learning for Object Navigation*.

EEG Artifact Detection, Project Course (ID: 02466) at DTU.
Project title: *Investigating the Role of Data Augmentation for EEG Artifact Detection*.

2019 — **Facial Expression Recognition**, Introduction to Intelligent Systems (ID: 02461) at DTU.
Project title: *Facial Expression Recognition - the importance of social intelligence in AI.*

Skills

Languages — Strong reading, technical writing and speaking competencies for English and Danish. Reasonable understanding of reading, writing and speaking French and Spanish.

Coding — Python, PyTorch, Git, JavaScript, GLSL, R, SQL

Misc. — Project work, MLOps, Teaching

Miscellaneous Experience

2023 — **DDSA Mentoring Programme Spring 2023** as a participating Mentee.

2018 – 2020 — **Voluntary Organizer/Coordinator** of activities for Red Cross Youth in Lyngby, Denmark.

2016 – 2018 — **Performing guitarist** in the band of upcoming Danish pop singer, Milli Naomi.

2013 – 2016 — **Talent Development Program** as a performing guitarist at the music school in Lyngby, Denmark.

References

Available on Request