

# Mads Dyrmann

Machine Learning · Computer Vision · Sensor Technology

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I am an AI engineer and researcher with a PhD in machine learning and more than 12 years of experience taking AI from idea to production. My work spans the full development cycle – problem framing, data collection and sensor design, model development, and deployment on cloud and edge hardware – with deep expertise in deep learning and computer vision and growing hands-on work with large language models, RAG, and AI agents. Through my company, AI Lab ApS, I have delivered production AI systems for clients in agriculture, transport, and environmental monitoring, often in demanding real-world conditions where data are noisy and reliability matters. As a former Associate Professor at Aarhus University, with 40+ peer-reviewed publications and years of teaching deep learning, statistics, and image processing, I combine a solid theoretical foundation with the practical judgement needed to build AI that works outside the lab.

## EXPERIENCE

|                       |                                                                                                                                                                                                                                                                                                                 |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aug. 2018 – present   | <b>Founder &amp; CEO, AI Consultant</b><br><a href="#">AI Lab ApS, Aarhus – theailab.dk</a><br><i>Design and deployment of production machine-learning and machine-vision systems: camera hardware, AI model development, and delivery for clients in agriculture, transport, and environmental monitoring.</i> |
| Aug. 2025 – Jan. 2026 | <b>Machine Learning and Computer Vision Freelancer</b><br><a href="#">TeeJet Technologies</a><br><i>Technical review of and sparring on in-house computer-vision and AI development.</i>                                                                                                                        |
| Feb. 2023 – Aug. 2024 | <b>Honorary Research Associate</b><br><a href="#">University of Oxford – School of Geography and the Environment</a><br><i>Research on computer-vision systems for biodiversity monitoring as part of the Leverhulme Centre for Nature Conservation.</i>                                                        |
| May 2022 – Jan. 2024  | <b>Associate Professor</b><br><a href="#">Aarhus University – Department of Electrical and Computer Engineering</a><br><i>Research in computer vision and AI, and teaching of deep learning, digital image processing, robotics, and statistics.</i>                                                            |
| Oct. 2019 – Apr. 2025 | <b>Machine Learning and Computer Vision Freelancer</b><br><a href="#">AGCO A/S</a><br><i>Machine learning and computer vision development, camera hardware design, AI training frameworks, and technical supervision.</i>                                                                                       |
| Aug. 2019 – May 2022  | <b>Assistant Professor</b><br><a href="#">Aarhus University – Department of Electrical and Computer Engineering</a><br><i>Teaching of deep learning, digital image processing, robotics, and statistics, alongside research in computer vision and AI.</i>                                                      |
| Apr. 2017 – Aug. 2019 | <b>Postdoctoral Researcher</b><br><a href="#">Aarhus University – Department of Engineering</a><br><i>Optimised vision-based detection and classification of weeds in agriculture for real-time treatment with minimal environmental impact.</i>                                                                |
| Apr. 2015 – Jul. 2015 | <b>Guest Researcher</b><br><a href="#">University of California, Davis – Department of Biological and Agricultural Engineering</a><br><i>Hyperspectral detection of crops for a camera-controlled robotic cultivator.</i>                                                                                       |
| Feb. 2014             | <b>Guest Lecturer</b><br><a href="#">Kwame Nkrumah University of Science and Technology, Kumasi, Ghana</a><br><i>Introduction to Electronics, taught on behalf of Engineers Without Borders.</i>                                                                                                                |
| Jan. 2013 – Dec. 2013 | <b>Teaching Assistant, Digital Signal Processing</b><br><a href="#">Aarhus University – School of Engineering</a>                                                                                                                                                                                               |
| Aug. 2012 – Jan. 2013 | <b>Lecturer, AD/DA Converters and Filters</b><br><a href="#">Aarhus University – School of Engineering</a>                                                                                                                                                                                                      |

## EDUCATION

|             |                                                                                                                                                                                                                                                                                                                                                                       |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2014 – 2017 | <b>PhD, Machine Learning</b><br>University of Southern Denmark – Maersk Mc-Kinney Moller Institute, UAS Center<br><i>Thesis: "Automatic Detection and Classification of Weed Seedlings under Natural Light Conditions". Supervisors: Ass. Prof. Henrik Midtiby and Prof. John C. T. Hallam. Committee: Prof. Robert Fisher, Prof. Ole Ravn, Prof. Norbert Krüger.</i> |
| 2012 – 2014 | <b>MSc in Engineering (Information Technology)</b><br>Aarhus University – Department of Engineering<br><i>Specialisation: digital signal processing and embedded real-time systems. Thesis: "Automated Machine Learning System for Plant Recognition".</i>                                                                                                            |
| 2008 – 2012 | <b>BSc in Electrical Engineering</b><br>Engineering College of Aarhus, Denmark<br><i>Thesis: "Surveillance System Based on Remote Microphone Arrays".</i>                                                                                                                                                                                                             |

### Summer schools and international stays

|                  |                                                                                                                    |
|------------------|--------------------------------------------------------------------------------------------------------------------|
| Jul. 2012        | <b>Korea Tech Summer School 2012</b><br>Korea University of Technology and Education, Cheonan, South Korea         |
| Jun. – Jul. 2011 | <b>Conceptual Design &amp; Development of Innovative Products</b><br>Bang & Olufsen summer school, Struer, Denmark |

## TECHNICAL SKILLS

|                  |                    |                       |                      |                         |                    |           |                     |
|------------------|--------------------|-----------------------|----------------------|-------------------------|--------------------|-----------|---------------------|
| Core areas       | Computer vision    | Deep learning         | MLOps & deployment   | LLMs                    | RAG                | AI agents | Machine learning    |
|                  | Object detection   | Semantic segmentation | Image classification | Image processing        | Camera prototyping |           |                     |
|                  | Camera calibration | Visual SLAM           | Signal processing    | Geospatial data science |                    |           |                     |
| Languages        | Python             | C (embedded)          | MATLAB               |                         |                    |           |                     |
| ML & CV          | PyTorch            | scikit-learn          | OpenCV               | scikit-image            | Pandas             | ONNX      | TensorRT            |
|                  | TensorFlow/Keras   | Caffe                 | Theano               |                         |                    |           |                     |
| Robotics & tools | ROS1 / ROS2        | Linux                 | Git                  | Docker                  | MongoDB            | Jupyter   | PCB design & layout |

### Depth of experience

| Technology            | Years | Level | Last used | Technology         | Years | Level  | Last used |
|-----------------------|-------|-------|-----------|--------------------|-------|--------|-----------|
| Image processing      | 17    | High  | 2026      | Deep learning      | 11    | High   | 2026      |
| OpenCV                | 13    | High  | 2024      | PyTorch            | 9     | High   | 2026      |
| Computer vision       | 12    | High  | 2026      | ROS1 / ROS2        | 9     | High   | 2026      |
| Machine learning      | 12    | High  | 2026      | Git                | 9     | Medium | 2026      |
| Object detection      | 12    | High  | 2026      | C (embedded)       | 5     | Medium | 2023      |
| Semantic segmentation | 12    | High  | 2025      | Camera calibration | 4     | High   | 2021      |
| Image classification  | 12    | High  | 2026      | LLM                | 4     | High   | 2026      |
| Camera prototyping    | 12    | High  | 2026      | C++                | 2     | Low    | 2021      |
| Python                | 12    | High  | 2026      | Visual SLAM        | 2     | Medium | 2024      |
| MLOps                 | 12    | High  | 2026      |                    |       |        |           |

## RESEARCH AND DEVELOPMENT PROJECTS

|             |                                                                                                                                                                                           |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2026 – 2029 | <b>OdinsAEye</b><br>Innovation Fund Denmark<br><i>Continuous field monitoring and decision support. Partners: Aarhus University, Ag-Precision, PerPlant, I-Gis</i>                        |
| 2025        | <b>MovingLane</b><br>AI Lab with Trifork<br><i>Truck-mounted camera system that warns drivers about pedestrians and cyclists.</i>                                                         |
| 2024 – 2029 | <b>Agro-Well</b><br>Horizon Europe Research and Innovation Actions<br><i>AI and augmented reality for improved weeding and operator safety. Partners: Aarhus University, Ag-Precision</i> |

|             |                                                                                                                                                                                                                                                                                          |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2022 – 2026 | <b>MAMBO – Modern Approaches to the Monitoring of BiODiversity</b><br><a href="#">Horizon Europe Framework Programme</a><br><i>Automated, image-based biodiversity monitoring across European habitats.</i>                                                                              |
| 2022 – 2024 | <b>CropDrone</b><br><a href="#">The Danish Environmental Protection Agency</a><br><i>Drone-based weed mapping. Partners: Danfoil, Hecto Drone, Danish Agro Group, Aalborg University, Klitgaard Agro, Scout Robotics, AI Lab.</i>                                                        |
| 2021 – 2023 | <b>Automatic insect monitoring on the foundation's land – moths as an example</b><br><a href="#">Aage V. Jensen Nature Foundation</a><br><i>Detection and counting of insect populations from camera-trap imagery.</i>                                                                   |
| 2020 – 2021 | <b>Automatic registration of invasive plant species and roadkill along Danish state roads</b><br><a href="#">The Danish Road Directorate (Vejdirektoratet)</a><br><i>Principal investigator. High-speed roadside camera system and deep-learning detection of invasive alien plants.</i> |
| 2018 – 2020 | <b>Weed-AI</b><br><a href="#">Green Development and Demonstration Programme (GUDP)</a><br><i>Responsible for image-based detection of crops and robot guidance.</i>                                                                                                                      |
| 2017 – 2019 | <b>RoboWeedMaPS – Automated Weed Detection, Mapping and Variable Precision Control</b><br><a href="#">Innovation Fund Denmark</a><br><i>Responsible for image-based detection and classification of weed seedlings.</i>                                                                  |
| 2015        | <b>Camera Controlled Robotic Cultivator</b><br><a href="#">University of California, Davis – USDA Specialty Crop Research Initiative</a><br><i>Responsible for hyperspectral detection of crops.</i>                                                                                     |
| 2014 – 2016 | <b>RoboWeedSupport</b><br><a href="#">University of Southern Denmark – Green Development and Demonstration Programme (GUDP)</a><br><i>Responsible for image-based detection and classification of weed seedlings under natural light conditions.</i>                                     |
| 2013 – 2014 | <b>Sensor-based grading of fungicides and herbicides in potatoes and cereals</b><br><a href="#">Aarhus University – GUDP</a><br><i>Shape-based classification of weed seedlings.</i>                                                                                                     |

## RESEARCH FUNDING

| Year                   | Title                                                                                  | Funder                                                            | Role                      | Amount        |
|------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------|---------------------------|---------------|
| 2016                   | CloverSense                                                                            | Green Development and Demonstration Programme (GUDP)              | Co-applicant              | 5,500,000 DKK |
| 2017                   | RoboWeedMaPS                                                                           | Innovation Fund Denmark                                           | Co-investigator           | 3,180,000 DKK |
| 2018                   | Weed-IT                                                                                | The Danish Environmental Protection Agency                        | Principal investigator    | 306,000 DKK   |
| 2019                   | Mobile recognition of weeds                                                            | The Danish Environmental Protection Agency                        | Principal investigator    | 190,320 DKK   |
| 2020                   | AI-assisted detection of alien invasive plant species                                  | The Danish Road Directorate                                       | Principal investigator    | 300,000 DKK   |
| 2021                   | Automatic insect monitoring on the foundation's land                                   | Aage V. Jensen Nature Foundation                                  | Co-investigator           | 700,000 DKK   |
| 2021                   | Modern Approaches to the Monitoring of Biodiversity (MAMBO)                            | Horizon Europe Framework Programme                                | Advisor                   | 9,000 EUR     |
| 2022                   | Building resilient organic weed management systems with light-weight autonomous robots | USDA Organic Agriculture Research and Extension Initiative (OREI) | Co-investigator           | 300,000 USD   |
| 2022                   | Cost-effective mapping of weeds with drones                                            | The Danish Environmental Protection Agency                        | Principal investigator    | 124,750 DKK   |
| 2022                   | CropDrone                                                                              | Green Development and Demonstration Programme (GUDP)              | Co-principal investigator | 260,000 DKK   |
| 2022                   | OdinsAEye                                                                              | Innovation fund Denmark                                           | Co-principal investigator | – DKK         |
| Total of listed grants |                                                                                        |                                                                   |                           | ~12.6 M DKK   |

Foreign-currency amounts converted at indicative rates for the total.

## TEACHING

Course coordinator and lecturer for BEng, BSc, and MSc courses at Aarhus University, most intensively from 2019 to 2024, covering deep learning, digital image processing, robotics, programming, and stochastic modelling. More than 1,400 students taught.

## Courses taught

| Year      | Course                                                            | ECTS | Role                   | Format                    | Stud. | Level           |
|-----------|-------------------------------------------------------------------|------|------------------------|---------------------------|-------|-----------------|
| 2024      | Sensors for Mobile Robots, Robotics Society, University of Oxford | —    | Teaching               | Lecture                   | 10    | MSc & BSc       |
| 2023      | Deep Learning                                                     | 10   | Coordinator & teaching | Lectures, exercises       | 111   | MSc & BSc       |
| 2023      | Digital Image Processing                                          | 5    | Coordinator & teaching | Lectures, exercises       | 44    | BSc & BEng      |
| 2023      | Autonomous Mobile Robots                                          | 5    | Coordinator & teaching | Lectures, project work    | 49    | BEng            |
| 2023      | Programming Robots and Kinematics                                 | 5    | Coordinator & teaching | Lectures, project work    | 22    | BEng            |
| 2023      | Stochastic Modeling and Processing (summer school)                | 5    | Coordinator & teaching | Lectures, exercises       | 26    | BEng            |
| 2022      | Deep Learning                                                     | 10   | Coordinator & teaching | Lectures, exercises       | 114   | MSc & BSc       |
| 2022      | Digital Image Processing                                          | 5    | Coordinator & teaching | Lectures, exercises       | 35    | BSc & BEng      |
| 2022      | Autonomous Mobile Robots                                          | 5    | Coordinator & teaching | Lectures, project work    | 41    | BEng            |
| 2022      | Autonomous Mobile Robots — Drones                                 | 5    | Coordinator & teaching | Lectures, project work    | 9     | BSc             |
| 2022      | Programming Robots and Kinematics                                 | 5    | Coordinator & teaching | Lectures, project work    | 15    | BEng            |
| 2022      | Programmering 1                                                   | 5    | Coordinator & teaching | Lectures, exercises       | 46    | BEng            |
| 2021      | Deep Learning                                                     | 10   | Coordinator & teaching | Lectures, exercises       | 23    | MSc & BSc       |
| 2021      | Digital Image Processing                                          | 5    | Coordinator & teaching | Lectures, exercises       | 39    | BSc & BEng      |
| 2021      | Autonomous Mobile Robots                                          | 5    | Coordinator & teaching | Lectures, project work    | 50    | BEng            |
| 2021      | Programming Robots and Kinematics                                 | 5    | Coordinator & teaching | Lectures, project work    | 22    | BEng            |
| 2021      | Programmering 1                                                   | 5    | Coordinator & teaching | Lectures, exercises       | 48    | BEng            |
| 2021      | Indledende Digital Elektronik                                     | 5    | Teaching assistant     | Supervision               | 85    | BEng            |
| 2020      | Autonomous Mobile Robots                                          | 5    | Coordinator & teaching | Lectures, project work    | 55    | BEng            |
| 2020      | Programming Robots and Kinematics                                 | 5    | Coordinator & teaching | Lectures, project work    | 43    | BEng            |
| 2020      | Programmering 1                                                   | 5    | Coordinator & teaching | Lectures, exercises       | 57    | BEng            |
| 2020      | Indledende Digital Elektronik                                     | 5    | Teaching assistant     | Supervision               | 69    | BEng            |
| 2019      | Programming Robots and Kinematics                                 | 5    | Coordinator & teaching | Lectures, project work    | 38    | BEng            |
| 2019      | Indledende Digital Elektronik                                     | 5    | Teaching assistant     | Supervision               | 142   | BEng            |
| 2016      | Drone Certificate                                                 | —    | Teaching & supervision | Licence for flying drones | ~25   | Industry        |
| 2014–2016 | Drone Workshop                                                    | —    | Teaching               | Three-day workshops       | ~75   | Upper secondary |
| 2014      | Introduction to Electronics, KNUST, Kumasi, Ghana                 | —    | Coordinator & teaching | Lectures                  | —     | BSc             |
| 2013      | Digital Signal Processing                                         | 5    | Teaching assistant     | Supervision               | ~120  | BEng            |
| 2012      | AD/DA Converters and Filters                                      | 5    | Coordinator & teaching | Lectures, project work    | 2     | BEng            |

## SUPERVISION

| Year      | Level | Project                                                                               | Role            | Students |
|-----------|-------|---------------------------------------------------------------------------------------|-----------------|----------|
| 2019–2022 | PhD   | —                                                                                     | Co-supervisor   | 1        |
| 2017–2020 | PhD   | —                                                                                     | Co-supervisor   | 1        |
| 2023      | MSc   | Underwater navigation                                                                 | Main supervisor | 2        |
| 2016      | MSc   | Inspection of fence using drones                                                      | Co-supervisor   | 2        |
| 2016      | MSc   | —                                                                                     | Co-supervisor   | 2        |
| 2023      | BSc   | Lodging detection                                                                     | Main supervisor | 2        |
| 2023      | BSc   | A Combined NLP and Association Rules Approach for Recommendation Systems              | Main supervisor | 2        |
| 2023      | BSc   | Crop rows                                                                             | Main supervisor | 2        |
| 2022      | BSc   | Object Detection: The Danish Road Directorate                                         | Main supervisor | 2        |
| 2023      | BEng  | Drone drop detection                                                                  | Main supervisor | 2        |
| 2023      | BEng  | DWARVES                                                                               | Main supervisor | 3        |
| 2023      | BEng  | CIM                                                                                   | Main supervisor | 2        |
| 2022      | BEng  | Undersøgelse af Y-Slider robot                                                        | Main supervisor | 3        |
| 2022      | BEng  | Gokart/ATV control                                                                    | Main supervisor | 1        |
| 2022      | BEng  | Implementation of EtherCAT master on Linux machine for hardware communication         | Main supervisor | 1        |
| 2022      | BEng  | Leak Detection in Smart Water Meters                                                  | Main supervisor | 1        |
| 2022      | BEng  | PID autotuner for USV autopilot                                                       | Main supervisor | 2        |
| 2020      | BEng  | Simulating automated storage, retrieval and relocation of objects in a 3D environment | Main supervisor | 1        |
| 2019      | BEng  | Applikation til realdetektering af handelssignaler ud fra historiske data             | Main supervisor | 2        |
| 2019      | BEng  | Assistent til live chat system                                                        | Main supervisor | 1        |
| 2019      | BEng  | Cloud-baseret Home Monitoring System                                                  | Main supervisor | 1        |

| Year | Level          | Project                         | Role            | Students |
|------|----------------|---------------------------------|-----------------|----------|
| 2019 | BEng           | Streaming Application           | Main supervisor | 3        |
| 2023 | BEng, 2nd sem. | Home Automation System          | Supervisor      | 7        |
| 2023 | BEng, 2nd sem. | Automation Routine System (ARS) | Supervisor      | 8        |
| 2021 | BEng, 3rd sem. | TRASHSENSE 8000                 | Supervisor      | 8        |
| 2020 | BEng, 3rd sem. | Spritinator                     | Supervisor      | 7        |
| 2020 | BEng, 2nd sem. | Informationsskærm               | Supervisor      | 7        |
| 2019 | BEng, 3rd sem. | Battleshots                     | Supervisor      | 8        |
| 2019 | BEng, 3rd sem. | SmartPlant                      | Supervisor      | 7        |

## EXTERNAL EXAMINER

| Year | Course                                     | Institution        | Level | Students |
|------|--------------------------------------------|--------------------|-------|----------|
| 2026 | Computer Engineering                       | Aalborg University | MSc   | 1        |
| 2026 | Robot Technology                           | Aalborg University | MSc   | 3        |
| 2026 | Computer Technology                        | Aarhus University  | MSc   | 3        |
| 2023 | Medicinsk billedbehandling                 | Aarhus University  | MSc   | 7        |
| 2023 | 2nd Semester Project                       | Aarhus University  | BEng  | 16       |
| 2022 | Research and Development Project           | Aarhus University  | MSc   | 2        |
| 2021 | IKLT                                       | Aarhus University  | BEng  | —        |
| 2020 | 2nd Semester Project                       | Aarhus University  | BEng  | 15       |
| 2020 | Machine Learning in Health Care Technology | Aarhus University  | BEng  | 21       |

## PUBLICATIONS

Full list [Google Scholar](#) | [ORCID](#) | [dyrmann.com](#)

### Selected publications

|      |                                                                                                                                                                                                                                                    |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2025 | <b>Opportunities and challenges for monitoring terrestrial biodiversity in the robotics age</b><br>S. Pringle, M. Dallimer, M. A. Goddard, M. Dyrmann et al. — <i>Nature Ecology &amp; Evolution</i> 9, 1031–1042                                  |
| 2024 | <b>High-speed camera system for efficient monitoring of invasive plant species along roadways</b><br>M. Dyrmann, S. K. Skovsen, P. H. Christiansen, M. F. Kragh, A. K. Mortensen — <i>F1000Research</i> 13, 360                                    |
| 2023 | <b>Accurate detection and identification of insects from camera trap images with deep learning</b><br>K. Bjerger, J. Alison, M. Dyrmann, C. E. Frigaard, H. M. R. Mann, T. T. Høye — <i>PLOS Sustainability and Transformation</i> 2(3)            |
| 2022 | <b>Accurate image-based identification of macroinvertebrate specimens using deep learning</b><br>T. T. Høye, M. Dyrmann, C. Kjær et al. — <i>PeerJ</i> 10, e13837                                                                                  |
| 2021 | <b>Camera assisted roadside monitoring for invasive alien plant species using deep learning</b><br>M. Dyrmann, A. K. Mortensen, L. Linneberg, T. T. Høye, K. Bjerger — <i>Sensors</i> 21(18), 6126                                                 |
| 2019 | <b>The GrassClover image dataset for semantic and hierarchical species understanding in agriculture</b><br>S. Skovsen, M. Dyrmann, A. K. Mortensen et al. — <i>IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) Workshops</i> |
| 2018 | <b>Estimation of plant species by classifying plants and leaves in combination</b><br>M. Dyrmann, P. Christiansen, H. S. Midtiby — <i>Journal of Field Robotics</i> 35(2), 202–212                                                                 |
| 2016 | <b>Plant species classification using deep convolutional neural network</b><br>M. Dyrmann, H. Karstoft, H. S. Midtiby — <i>Biosystems Engineering</i> 151, 72–80                                                                                   |

## COMMITTEES, NETWORKS AND SERVICE

|             |                                                                                                                                         |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 2023 – 2024 | Oxford Artificial Intelligence Network                                                                                                  |
| 2020 – 2024 | Aarhus University's Sustainability Network                                                                                              |
| 2020        | Aarhus University's working group on career development                                                                                 |
| Since 2018  | The Danish Environmental Protection Agency's network group for precision technology in agriculture — Ministry of Environment of Denmark |
| 2018        | Assistant professor review committee — The Netherlands Organisation for Scientific Research (NWO)                                       |

|             |                                                                                                     |
|-------------|-----------------------------------------------------------------------------------------------------|
| Since 2018  | <b>Partnership on precision technology in agriculture</b> — Danish Ministry of Environment and Food |
| 2015 – 2024 | <b>Journal club on machine learning and computer vision</b> — Aarhus University                     |

## PROFESSIONAL DEVELOPMENT

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|      |                                                                                                                |
|------|----------------------------------------------------------------------------------------------------------------|
| 2020 | <b>Project Management: A Practitioner's Approach</b> — Aarhus University                                       |
| 2020 | <b>Supervision</b> — Aarhus University                                                                         |
| 2020 | <b>The Foundational Course in PhD Supervision</b> — Aarhus University                                          |
| 2020 | <b>Teacher Training Programme</b> — Aarhus University                                                          |
| 2020 | <b>Voice Training and Body Language</b> — Aros Business Academy                                                |
| 2016 | <b>Getting Started on Your Teaching — Introduction to University Teaching</b> — University of Southern Denmark |
| 2016 | <b>The Art of Scientific Presentations: Design and Delivery</b> — Aalborg University                           |
| 2015 | <b>Deep Learning</b> — Technical University of Denmark                                                         |
| 2015 | <b>Advanced Topics in Machine Learning</b> — Aalborg University                                                |
| 2013 | <b>Artificial Intelligence for Robotics</b> — Udacity                                                          |

## LANGUAGES

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|         |                                         |
|---------|-----------------------------------------|
| Danish  | Native speaker                          |
| English | Fluent — speaking, reading, and writing |

## VOLUNTEER WORK

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|                  |                                                                                 |
|------------------|---------------------------------------------------------------------------------|
| Since 2016       | <b>Rowing instructor</b><br><a href="#">Aarhus Studenter Roklub</a>             |
| Since 2014       | <b>Member</b><br><a href="#">Engineers Without Borders Denmark</a>              |
| Jan. – Jul. 2010 | <b>Mentor for new students</b><br><a href="#">Engineering College of Aarhus</a> |