Jorrit van Gils

Computer Vision Researcher

Summary

I'm a Computer Vision researcher at Wageningen University, advised by dr. Gert Kootstra dr. Gert Kootstra (Computer vision) and dr.ir Patrick Jansen (Ecology). My research focusses on extracting wildlife behaviour from camera trap images using machine and deep learning algorithms. Extensive experience in Python, JavaScript, Vue.js, and TensorFlow throught my role at object detection platform BOX21 and through annual participation in Kaggle-hosted classification competitions.

Work Experience

2021–Present **Developer Computer Vision Platform**, *BOX21*
Developing and maintaining frontend-, backend systems and detection models.

2023 **Competitor Fathomnet competition**, *Kaggle*
Detecting and classifying marine species in underwater images with Sean Nachtrab

2022 **Thesis Wageningen University**
Wildlife action recognition in camera-trap photographs using yolov5 and pose estimation

2022 **Minor Artificial Intelligence Wageningen University**
Programming in Python, Machine Learning, Deep learning

2022 **Competitor iWildCam competition**, *Kaggle*
Counting the number of animals in a sequence of images.

Education

2019–2022 **MSc Forest and Nature Conservation**, *Wageningen University, NL*

2016–2019 **BSc Secondary School Teacher Biology**, *Fontys Tilburg, NL*

Courses

2021 **Practical Deep Learning**, *FastAi*

2022 **Deep Neural Networks with Pytorch**, *Coursera*

2022 **Python Flask and SQL**, *Udemy*

2023 **Docker**, *Coursera*

Computer skills

Programming Languages	Python, R	Web Development	HTML, JavaScript, Vue.js, SQL, Nginx, RabbitMQ
Packages & Software	PyTorch, TensorFlow, WandB, Docker, GitHub, Linux	Architectures	YOLOv5, DeepLabCut, mmdetection, AlexNet, Query2Label

Languages

Dutch C2

English C1

Spanish B2

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