Pann Thinzar Seint

AI Engineer

Summary of Skills

- Experienced with implementation of computer vision applications
- Proficient in image processing, machine learning, deep learning
- Adept with object detection, classification, semantic and instance segmentation (YOLO, CNN, Faster-RCNN, Mask R-CNN, Key Points Detection, Regression, LSTM, Detectron2 and so on)
- Strong coding and design in MATLAB
- Skilled in deep learning frameworks such as Tensorflow, Pytorch and machine learning libraries such as NumPy, Matplotlib, Opencv, Scikit-learn and so on

Job Experiences

MEW (May 2022 – Present)

- AI Engineer

- 3D Dataset Creation and image processing
- Motion Capture System using AI
- Animation Video using Game Engine

University of Miyazaki (May 2019 - March 2022)

- Researcher

- Cows' Location Searching System with 4K Camera
- Body Condition Score (BCS) Estimation System for Dairy Cows using 3D camera
- Automatic Cow Identification System on Milking Parlor
- Calving Monitoring System using 360-degree camera
- Lameness Detection System
- Mounting Behavior Detection System

Education

- Bachelor Degree in Electronics Engineering (Dec 2010 – Dec 2015)
  University of Technology (Yatanarpon Cyber City), Myanmar
- Master of Engineering (Oct 2016 - Dec 2018)
  University of Technology (Yatanarpon Cyber City), Myanmar
  University of Miyazaki, Miyazaki, Japan

Bachelor Thesis

- Design and Simulation of Printer Belt Drive System

Masters' Double Degree Program Thesis

- Nursing Home Monitoring System
- Monitoring System for Elderly People Living Alone

Lists of Publications

1. Behavior Analysis for Nursing Home Monitoring System
   (https://link.springer.com/chapter/10.1007%2F978-981-13-0869-7_31)
2. Medication and Meal Intake Monitoring using Human-Object Interaction
   (https://ieeexplore.ieee.org/document/8574854)
3. Intelligent Monitoring for Elder Care Using Vision-based Technology
   (http://www.ijicic.org/ijicic-170310.pdf)
4. Intelligent Monitoring System for Elderly People Activity Recognition using Artificial Neural Network
   (PROCEEDINGS OF CONFERENCE ON SCIENCE AND TECHNOLOGY DEVELOPMENT 2018, Pyin Oo Lwin, Myanmar, Volume: 2)
5. Body Condition Score Estimation Based on Regression Analysis Using a 3D Camera
   (https://www.mdpi.com/1424-8220/20/13/3705)
6. Body Condition Score Assessment of Depth Image using Artificial Neural Network
   (https://dl.acm.org/doi/10.1145/3408066.3408103)
7. Automatic Cow Location Tracking System Using Ear Tag Visual Analysis
   (https://www.mdpi.com/1424-8220/20/12/3564)
8. Cow Identification System using Ear Tag Recognition
   (https://ieeexplore.ieee.org/document/9081226)
9. Markov Chain Monte Carlo Method for the Modeling of Posture Changes Prior to Calving
   (https://ieeexplore.ieee.org/document/9391822)

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