PANN VANDET

MACHINE LEARNING RESEARCHER

Vandet holds a Bachelor's in Computer Science and IT, along with a Master's in Computer Science and Engineering. His research focuses on Machine Learning, Computer Vision, Image Processing, and Audio Processing. A passionate learner, Vandet is dedicated to staying updated with the latest advancements in technology.

CONTACTS

- +82 010-5863-9561
- vandetpann@naver.com
- Jeonju City, South Korea
- Portfolio
- Google Scholar

EDUCATIONS

2019 - 2022

JEONBUK NATIONAL UNIVERSITY
- Master of Computer Science and Engineering

2011 - 2015

PHNOM PENH INTERNATIONAL UNIVERSITY
- Bachelor of Computer Science

SKILLS

- Python / Java / C++ / C# / PHP
- PyTorch / TensorFlow / Keras
- Numpy, Pandas, Matplotlib
- HTML / CSS / JavaScript
- RestAPIs / WordPress / CMS
- Database / MySQL / SQL Server
- GitHub / GitLab / Jira / Trello

LANGUAGES

- English
- Korean
- Khmer

REFERENCES

- **Prof. Lee Hyo Jong**

  Jeonbuk National University
  Div of Computer Science and Engineering
  hlee@jbnu.ac.kr

- **Dr. Kim Jongbuk**

  National Institute of Animal Science
  Smart Animal Environment Division
  jbkimj@korea.kr

WORK EXPERIENCES

National Institute of Animal Science (NIAS)   2023 - PRESENT
Machine Learning Researcher

- Working on a project titled "Research of image-based automatic pig pregnancy judgment and abnormal behavior detection technology"
- Researching on pig vocalization classification using deep learning
- Data collection, data preparation, and data labeling
- Developing a robustness model and integrating it into embedded system to detect in real-time in pig farm
- Improving task management, team working, Korean communication, and working culture

PlacePass Travel Company   2016 - 2018
Web Developer
- Designed and developed a travel listing web application
- Experienced with Google Tag Management tool. It is used to analyze user interaction on the web platform
- Developed task responsibilities and management skills
- Improved communication skill by working closely with team in USA

WebsenseMalaysia   2015 - 2016
Front-End Developer
- Designed, developed and maintained Job listing web application
- Designed poster and banner for advertising team
- Experienced with web scraping
- Improve task management and team communication skills

PUBLICATIONS

SCI(E) Journals   2022 - 2024
- DCNN for Pig Vocalization and Non-Vocalization Classification: Evaluate Model Robustness with New Data
- Affective Attention-Based Mechanism for Mask Face Recognition

Conferences   2020 - 2025

- KSAST 2025: Evaluation of Generalization Performance of Pig Vocalization
- Classification Models under Different Environmental Conditions (Poster)
- KSAST 2024: Efficient Pig Sounds Classification Using a Lightweight
- CNN Model (Poster)
- 6th CIGR 2024: Enhancing Pig Vocalization and Non-Vocalization Classification with DCNN and Data Augmentation (Poster)
- KSAST 2023.10: Improvement of Pig Vocal and Non-Vocal Classification in Smart Livestock Farming Using Deep Learning (Poster)
- KSAST 2023.07: Comparative Analysis of Audio Feature Extraction Methods for Pig Vocalization Classification Using Deep Learning (Poster)
- ACK 2021.11: Modern Face Recognition using New Masked Face Dataset Generated by Deep Learning (Paper)
- KCC 2020.07: Moving Object Detection in Video Surveillance Based on Background Subtraction and Yolov3 (Paper)