KEVIN PUTRA DIRGANTORO

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Yangho-Dong, Gumi, Gyeongbuk
730-701, South Korea

PROFILE

A master candidate student from IT Convergence Engineering Department of KIT. Previously working with speech signal processing in bachelor degree. Now focusing in using Blockchain architecture for IoT field and edge computing-based machine learning process in Jetson Nano .

EDUCATION

BS TELECOMMUNICATION ENGINEERING

Telkom University, Indonesia (2014 - 2018)
- Practicum and Research Assistant in Electronic Laboratory (2016 - 2018)
- GPA 3.78 / out of 4.00 (Cum laude honors)

MS IT CONVERGENCE ENGINEERING

Kumoh National Institute of Technology, South Korea (2018 - present)
- Full-time Researcher in Networked Systems Laboratory

WORK EXPERIENCES

- Internship in PT.Telkom Witel East Jakarta, Indonesia at Fulfillment and Assurance Wifi.Id Division, May - July 2016
- Internship in PT.Telkom Purwakarta at Operational and Maintenance Indihome Division, July - August 2017

TRAININGS

- Basic MATLAB Training (Matrix Operation and GUI) by Image Processing and Vision Laboratory (IMV) and Digital Signal Processing Laboratory (DSP), 2017
- Audio Processing Training (Frequency Analysis and Audio Watermarking) by IMV and DSP, 2017
- Neuromorphic Basic Course Training by Nepes Corporation, 2020

PUBLICATIONS

CONFERENCES

- A Comparative Study of Cepstral Analysis and MFCC for Speech Steganalysis, KICS Fall 2018
- Private Ethereum Blockchain for Industrial Internet of Things (IIoT), KICS Winter 2019
- None Difficulty Proof-of-Work Blockchain Algorithm for Industrial IoT, KICS Summer 2019
- Generative Adversarial Networks Based on Edge Computing With Blockchain Architecture for Security System, ICAIIC 2020

JOURNALS

- Performance Comparison Between Generalized Cross-Correlation Time Delay Estimation and Fingerprinting Method for Acoustic Event Localization, ARPN Journal of Engineering and Applied Sciences 2018
- Feasibility Study on The Rectifier Diode and Bridge Circuit Theory, Journal of Intelligent & Fuzzy Systems 2018

PROJECTS

- Manufacturing Message Specification (MMS) for Industrial IoT (Windows and Linux Environment)
- E-WAMS: Edge Computing-based Wild Animal Monitoring System (Jetson Nano Board)
- 3D Printing Conception Company (Monitoring and Controlling)

LANGUAGE SKILLS

- Indonesian: Active
- English: TOEIC LR 825 / out of 990 (2018 - 2020)
- Korean: Basic

SKILLS

Proramming Languages

- Python
- Go
- C/C++

Development Boards

- Arduino
- Raspberry Pi
- Jetson Nano

Others

- Matlab
- LabView
- Proteus

- LTSpice
- Multisim