HASBY FAHRUDIN

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Education

INSTITUT TEKNOLOGI SEPULUH NOPEMBER | 2015-2019
· Bachelor's degree – Electrical Engineer

SEOUL NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY | 2020-PRESENT
· Master's degree - Electrical and Information Engineering

Experience

GRADUATE RESEARCH ASISSTANT | SEOUL NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY | 2020-PRESENT
· Wireless VR enhancement with machine learning.
· Few-shot learning enhancement methods and its application.

SOFTWARE ENGINEER | IDEMIA | 2019- 2020
· Specialize in developing and maintaining large scale company development tools.
· Create and execute test case off device and on device software.

ASSISTANT LABORATORY| INSTITUT TEKNOLOGI SEPULUH NOVEMBER | 2017-2019
· Wireless VR enhancement with machine learning.
· Few-shot learning enhancement methods and its application.

ENGINEER INTERNSHIP| PT. PEMBANGKITAN JAWA BALI| 2018
· Analyzing power plant control system and understanding its control logic
· Gathering power plant data to draw an insight from it

Professional skills

· 6 ++ years' experience Python and C++.
· 3 ++ years' experience in Tensorflow, OpenCV, and Scikit-Learn.
· Knowledgeable in machine learning, computer vision, and embedded system.
· Knowledgeable in web back-end development.
· Familiar with other programming language (C#, Java, HTML, CSS, and Javascript).
· Familiar with CUDA.
· Familiar with cloud computing (AWS lambda and GCP AI platform).
· Comfortable working on Linux and Windows operating system.
· Comfortable working on GIT environment.

Highlighted Works

· **TREX AI** : AI (based on reinforcement learning) that can play time-killer browser game, "dinosaur game".
· **Publication :** H Kusuma, M Attamimi, H Fahrudin, "Deep learning based facial expressions recognition system for assisting visually impaired persons", in Bulletin of Electrical Engineering and Informatics 9 (3), 1208-1219
· **Facex - Facial Expression Classifier Python API** : Emotion recognition python API that can works on low spec devices, fast, and acceptable accuracy powered by Tensorflow.