

SEAN JULIUS LASE

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Fresh-graduates of Electrical Engineering major from Universitas Padjadjaran who loved to learn new things. Motivated and enthusiastic person seeking a new start in Research, Engineering, and Developing Environment nor fields related career to apply my skills and gain valuable experiences. Dedicated and hardworking person, able to work under-pressure, enthusiast to grow and acquire new skills in life and career journey. Have a good communication skills and willingness to learn and grow within team-oriented or individual environment. Therefore I'm able to adapt in vary situations and ready to explore.

EXPERIENCES

Arjon Turnip, Ph.D. Portable Holter Research Team Unpad Research and Development Apprenticeship

Aug 2022 – Aug 2023

- Assisted in design and troubleshooting new PCB of Portable Holter Device.
- Designed and Printed Portable Holter's Case using 3D printer by Solidworks and Cura.
- Made Arduino Program for data collecting within the microcontroller used in Portable Holter.
- Responsible on Ubuntu Server, Laravel built-on Website, and MySQL Database maintenance.
- Built a simple website using PHP, JavaScript, HTML,CSS, and MySQL database running in local Server.
- Assigned to be an Instructor of ECG data preprocessing, classifications model building, IoT, and Cloud Systems used on the project.
- Configured new portable holter device using RasPi 4, resulting approximately 50% in system efficiency.
- Responsible in maintaining IoT architecture and system's flow.

Arjon Turnip, Ph.D. Electroencepalograph Research Team Unpad Research and Development Apprenticeship

Aug 2022 – Dec 2022

- Develop Skills of Data Analysis, preprocessing, and Features Extraction of EEG data using WINEEG
- Reviewed Medical Journal about EEG and brain wave functions
- Built Machine Learning Model Pipeline and Develop Classification Model using KNN and Clustering method. Resulting 90% Accuracy and 5 Clusters of brain wave.

LG Electronics Indonesia Engineer Internship

Jan 2022 – Mar 2022

- Learned about Private Automatic Branch Exchange (PABX)
- Learned about Internet Protocol and Telecommunication System
- Learned about the use of the PABX wizard and billing system
- Learned to troubleshoot error and maintaining the functionality of the PABX

EDUCATION

Universitas Padjadjaran Bachelor of Engineering in Electrical Engineering

Aug 2019 – Mar 2023

- Honors: *cum laude* (GPA: 3.72 / 4.00) , Fresh Graduates
- Activities: Joined HMTE, Joined Multiple Volunteering Event, Co-founder of IEEE Student Branch Unpad, Applied for Laboratory Assistant, completed Kampus Merdeka SIB Batch 3 by Dicoding Indonesia.

RELEVANT COURSEWORK

Kampus Merdeka by Dicoding Indonesia Machine Learning – Front End Developer

Aug 2022 – Dec 2022

- Advancing Programming Language such as Python and Tensorflow Framework for ML developing purposes. Earned multiple Certifications of Machine Learning.
- Expertise in using Tensorflow and Keras.
- Develop a web-based ML application entitled EZ-Diagnose to help people to get-to-know their own disease by their symptoms. Engineered Disease Identification using SVM method

Artificial Intelligence and Machine Learning, Electrical Engineering Universitas Padjadjaran

2022

- Studied of Fundamentals of AI and ML modeling.

Analog and Digital Electronics, Electrical Engineering Universitas Padjadjaran

2019

- Studied of Fundamentals of linear systems and abstraction modeling through electronic circuits

ENGINEERING SKILLS

Soft skill : Time Management, Team-work, Communication, Adaptability, Project Management, Attention to detail, problem-solving

Hard skill:

Operating System (Microsoft Windows, Linux)

Programming Language (C++, Arduino, Python, JavaScript, SQL, PHP)

Machine Learning (Probabilistic Modeling, Predictive Analysis, Machine Learning Concepts, Algorithm Design, NLP, Neural Networks, Tensorflow, Keras)

CERTIFICATIONS

Dicoding Indonesia MLFE Developer Program – Evaluasi Penguasaan Machine Learning

Dicoding Indonesia MLFE Developer Program – Machine Learning Terapan

Dicoding Indonesia MLFE Developer Program – Programming Logic 101

Progate Python Fundamentals for Software Developer