Yose Marthin Giyay

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SUMMARY

Experienced developer with a background in Physics. Experience in developing with ML & AI models. Solid understanding of website development, data analysis and visualization. Developed contextual curriculums and instructed classes.

EXPERIENCE

Developer
PT. Nokensoft Inovasi Teknologi Papua   **January 2022 - Present, Jayapura, Indonesia**

Responsibilities include--but not limited to--developing a contextual curriculum, writing concise reports to sponsors, running an AI for Papua think tank, developing websites and ML forecasting models for clients.

Operations Student Assistant
Facility for Rare Isotope Beams (FRIB)   **January 2019 - January 2020, Lansing, Michigan Area**

·Assisted operations engineers in maintaining the accelerators and their parts
·Mechanical assembly/repair
·Record keeping/data logging
·Inventory control & documentation

Software Tester
test IO   **July 2018 - January 2019, Remote**

·Exploring and testing websites, mobile apps, and other software on peripheral devices such as a wearable,
·Writing clear and concise reports, including relevant attachments on bugs and other anomalies found, and
·Collaborating with other testers and leaders

PROJECTS

Rapid Word Collection Workshop for Ekari Language
SaCode Community & Sagu Foundation
· Written a project proposal to the local government
· Finish an orientation workshop to be a project consultant

EDUCATION

2014 - 2015
SMA Negeri 3 Jayapura · Activities and societies: Co-Founded Bank Sampah, a school organization as a solution to the lack of sustainability awareness and recycling activities in the community.

2012 - 2013
Green School, Bali · Activities and societies: Asia World Model United Nations (AWMUN), Capoeira team and school band.

Bachelor of Science - BS, Physics
Michigan State University (full-ride scholarship) · 2020

General Studies
Jakarta International College · 2016

COURSEWORK

Computational Modeling and Data Analysis

Engineering Analysis of Biological Systems

Intro. to Computational Modeling

Intro. to Engineering Design

Multivariable Calculus

Linear Algebra II

Physics II For Scientists and Engineers

Visualization of Scientific Datasets

INVOLVEMENT

Instructor, Contributor, & Developer
SaCode Community (PT. Nokensoft) · January 2022 – Present
Instructed tri-monthly classes for Papuan students who are just starting in Python and data science.

Head
Organisasi Bank Sampah ("Waste Bank") · January 2014 – January 2015
Co-Founded Bank Sampah as a solution to the lack of sustainability awareness and recycling activities at SMA Negeri 3 Jayapura.
At the waste bank, the waste created by the school's community is gathered and divided into two categories – organic and non-organic.
Organic waste gets turned into compost, while non-organic waste is divided further into three categories: plastic, paper, plus bottles and metal. These are then cleaned, packaged, and sold to recycling centers for further processing.

SKILLS

Industry Knowledge: Predictive Modeling, Data Science, Data Analysis, Qualitative Research, Science, Project Planning, Online Research, Time Management

Tools & Technologies: Python (Programming Language), Microsoft Excel, Microsoft Office, Microsoft Word, Microsoft PowerPoint, Matlab, Jupyter, TensorFlow, PyTorch, HuggingFace, LangChain, FastAPI, Pinecone, ChromaDB, S3, Vite, TailwindCSS, NextJS

Interpersonal Skills: Strategic Planning

Languages: Bahasa Indonesia, English