

Kelvin Liusiani

AI Engineer

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An **AI enthusiast** with over two years of continual learning and experience in **Data Science** and **Computer Vision**. Very passionate with new technology, I routinely read new and SOTA research. And love to be engineer, who always solving any problem that I am facing with logical thinking and fundamental skills. Now, I am looking for **Artificial Intelligence** position with company that **appreciates person who has high desire to learn** and **supportive works environment**.

Education

Aug 2016 – Jan 2020

BE in Electrical Engineering, Institute Technology of Sepuluh Nopember(ITS)
with **Cum Laude Honor** (3.5 years)

GPA: 3.81 / 4.00

Thesis: "Dataset Maker System using Gaussian Mixture Model (GMM) Method for Object Learning"

- Creating Dataset of 360° of Household Objects using Kinect V2 with GMM for object segmentation.
- This Dataset contains of labels, object segmentations (RGB, Near-Infrared, and Depth map) and volume of objects.

Research

March – July 2019

JAREE - Journal on Advanced Research in Electrical Engineering

Volume 4, Number 1, April 2020

Journal Title: "Object Extraction Using Probabilistic Maps of Color, Depth, and Near-Infrared Information"

- By using probabilistic maps of color, depth and NIR from Kinect V2 modeled by Gaussian Mixture Model (GMM), object extraction can be done and used for creating object segmentation dataset and 3D object modeling dataset.

Working Experience

Feb 2020 - Present

Artificial Intelligence Engineer (Associate)

Synnex Metrodata Indonesia

- Train Deep Learning model (Faster-RCNN, MobileNet V2-SSD, Yolo, CenterNet, EfficientDet, etc) using some frameworks, like Tensorflow, Pytoch, and Caffé.
- Deploy solution on edge (without GPU) using Intel *OpenVINO Toolkits* and ONNX as an Inference.
- Creating some AI solutions from scratch: **People Counting, Vehicle Counting, Face Recognition for Attendance System, Indonesian License Plate Recognition, Smart Digital Signage System, Face-Mask Alarm** and **Social Distancing Alarm**

Nov 2019 – Feb 2020	Artificial Intelligence Engineer (Intern) <i>Reblood (Non-profit Startup)</i> <ul style="list-style-type: none"> • Create image classifier for the receipt proof of blood donor • Using Google Cloud Vision for Text Detection and create automatic information retrieval using python • Deploy on Google Cloud App Engine
Jul 2019 – Aug 2020	Electronics/IoT Engineer (Intern) <i>PT MISEL (Industrial Automation System)</i> Project: Pool and Jacuzzi Water Heater Automation IoT Based in Kapal Api's Villa at Trawas <ul style="list-style-type: none"> • Build Water Heater Automation Controlled by Delta PLC (Two PLC) • Build Three HMI (Human Machine Interface) for the boiler room, filter room and pool • Connect them into IoT system using local wireless for Smartphone Controller

Non – Formal Education

Jan – July 2020	Student of Bangkit Academy <i>Led by Google, Tokopedia, Gojek, & Traveloka</i> An exclusive machine learning academy with very selected students
April – July 2020	Intel® Edge AI for IoT Developers Nanodegree Program <i>Nanodegree program from Udacity and Intel with some project</i>
Jul 2019 – Aug 2019	Artificial Intelligence Digital Talent Academy Scholarship <i>by Indonesian Ministry of Communication and Information Technology</i> Full time bootcamp within 2 months with some final – projects

Achievements

Nov 2020	9th/139 Place in National Data Science Challenge 2020 by Shopee <i>Advanced category (topic: Product Matching)</i>
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Certifications

2020	Intel® Edge AI for IoT Developers Nanodegree <i>Udacity</i>
2020	Tensorflow Developer Certificate <i>Tensorflow</i>
2020	Tensorflow in Practice Coursera and DeepLearning.ai
2019	Image Processing with Python Track (3 Courses) DataCamp
2019	Data Analyst with Python Track (16 Courses) DataCamp
2019	Intermediate Python for Data Science DataCamp
2019	SQL Fundamentals Track (4 Courses) DataCamp