

Brandon Scott Buana

MACHINE LEARNING ENGINEER, DATA SCIENTIST

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Summary

Machine Learning Engineer and Data Scientist with experience developing AI-based models, specializing in computer vision and natural language processing. Passionate about deep learning and proficient in training and deploying models for diverse applications. Experienced in collaborating within research teams and delivering innovative technical solutions. Recently completed a data science program, solidifying expertise in model development, data analysis, and deployment. Eager to contribute technical expertise and research in the fields of machine learning and AI, with a focus on solving real-world challenges.

Skills

Programming Languages: Python, R, C++, JAVA, SQL

Data Visualization: Tableau, Matplotlib

Deep Learning Framework/Library: Pytorch, Tensorflow, Keras, TensorBoard, Huggingface

Deployment & Automation: TorchServe, Docker, Flask, FastAPI

Languages: English (Full Professional), Indonesian (Native Proficiency), Mandarin (Limited Working Proficiency)

Projects

Many-to-Many Multilingual Translation Model for Languages of Indonesia

JOURNAL ARTICLE

- Fine-tuning mT5 on abundant religious texts improves transfer to low-resource domains like social media translation.
- Multilingual fine-tuning on similar languages aids generalization to low-resource languages.
- Provides a strong baseline for further fine-tuning as translation model.

Experience

Matica

Hybrid

TUTOR

January 2018 - August 2022

- Tutored high school students in AS and A-level subjects, with 90% of students achieving their target grades.
- Provided comprehensive instruction and guidance to ensure students understood key concepts and mastered challenging topics.
- Monitored and evaluated student progress through regular assessments and personalized feedback.

Fotoyu

Hybrid

AI ENGINEER INTERN

March 2022 - August 2022

- Trained and deployed face recognition models using TensorFlow, achieving 95% accuracy on test datasets.
- Implemented head pose estimation models, improving face detection accuracy by 20% in varying orientations.
- Fine-tuned and deployed face detection models, optimizing for different orientations and lighting conditions.

Bookbot

Remote

MACHINE LEARNING ENGINEER

February 2023 - July 2023

- Labeled over 10,000 speech-to-text datasets for model evaluation and quality assurance.
- Trained Text-to-speech model for both English and Indonesian Languages.
- Fine tuned speech recognition model to classify children and adults voice.

Maggiano's Little Italy

Onsite

MAITRE D'

October 2023 - Present

- Warmly welcomed and greeted guests as they entered the restaurant
- Manage at least 200 reservations and efficiently seated patrons.
- Collaborated closely with the kitchen and serving staff for smooth table turnovers.

Education

TripleTen

DATA SCIENCE PROGRAM

Remote

2024 (Graduated)

Binus University

B.S. IN COMPUTER SCIENCE (GPA: 3.92 / 4.0)

Tangerang, Banten, Indonesia

2023 (Graduated)

Shibaura Institute of Technology

B.S. IN COMPUTER SCIENCE (EXCHANGE PROGRAM)

Saitama, Omiya, Japan

2023 (Finished)

Kairos Gracia Christian School

HIGH SCHOOL DIPLOMA

Jakarta, West Jakarta, Indonesia

2019 (Graduated)

Extracurricular Activity

Shopee Code League 2019

MEMBER

Online

March 2019 - April 2019

- Shopee Code League 2019 consisted of several coding challenges across different domains, including data analytics, data science, and software engineering.
- To solve real-world problems using programming languages and submit the solutions within a specified time frame.