Bekasi, Indonesia
abrisam.rm@gmail.com
(315) 802-8179

Abrisam Rafif Maulana

PROFILE

NLP, Machine Vision Researcher and Full-stack Developer dedicated to finding solutions to unique Machine Intelligence problems, and creating Full-stack interactive web applications.

EXPERIENCE

Pharmaceutical ML Research Fellow, Kalbe Farma

Oct 2023 - Nov 2023

- Research for a Machine Vision model to classify mixing process stopping point
- Development of User Interface for Machine Vision model
- Debugging of automated safety CCTV system

Student Council Vice President, SMP IDN

Jan 2023 - Apr 2024

- Interdepartmental relations manager
- Responsible for overseeing day-to-day Council operations
- Revised system for requesting standard permission & financial requests

Open House Exhibitioner, SMP IDN

June 2013 - Sep 2013

- Designer and prototyped internal tools
- Worked with Privacy team to build assets and features
- Redesigned Newsfeed curation experience for mobile

Guest Teacher, Kalbe Farma

June 2012 - Sep 2013

- Contributed to Maps on iOS wireframe ans user experience
- Designed and prototyped onboarding experience
- Asset and feature design for Maps on Android

EDUCATION

SMP IDN

General IT, Class of 2021

LANGUAGES

English: C1 | Indonesian: B1 | Arabic: A1

SKILLS

Python | Basic Calculus | Huggingface Transformers | PyTorch | Flask | Tensorflow

Junior Highschool
Student

LinkedIn | Dribbble | Github

Bekasi, Indonesia
abrisam.rm@gmail.com
(315) 802-8179

TECHNICAL SKILLS

Natural Language Processing (NLP)

- Language Modeling
- Semantic Search systems
- Retrieval Based Question Answering (RBQA) systems
- Knowledge Management

Machine Vision (MV)

- Object Detection
- Image Classification
- Model Interpratibility

Full Stack Development

- Backend: Python, Flask, JavaScript, Node.JS, Express.JS
- Frontend: React, HTML, CSS
- Database: MySQL, Postgres, Firestore

Data Science

- Basic Statistics
- Microsoft Excel & Google Sheets
- Metrics Collection
- Data Acquisition

PROJECTS

Sentiment Negated GPT-2 RLHF

Oct 2023 - Nov 2023

Trained a GPT-2 model using Reinforcement Learning with Actor-Critic setup but with negated reward, to produce "Maximally Bad Output". Inspired by OpenAI research mistake *(Ziegler et al., 'Fine-Tuning GPT-2 from Human Preferences')*.

Semantic Retrieval Based Question Answering

Oct 2023 - Nov 2023

Lorem Ipsum

Granulation Stopping Determination with MV

Oct 2023 - Nov 2023

Lorem Ipsum