Steven Halim

+62 85234566899 | 0steven.halim0@gmail.com | Jakarta, Indonesia

Undergraduate student studying at BINUS University, with passion for data science and artificial intelligence and goal to leverage foundation in statistical analysis skills and knowledge to contribute to the field of data-driven decision-making and create impactful solutions.

Projects

HuBMAP - Hacking the Human Vasculature 06/2023 - 08/2023

- Utilized YOLO (You Only Look Once) architecture and modified it to adapt to the specific challenge of microvascular structure segmentation.
- Achieved top 15% in the leaderboard based on IOU(Intersection Over Union) score.

CAFA 5 Protein Function Prediction 05/2023 - 06/2023

- Applied the TAPE (The Annotated Transformer for Protein Structure Prediction) library to develop a multi-class classification model for protein function prediction. Leveraged TAPE's pre-trained transformer models, such as BERT, encode and analyze protein sequences. Customized the model's output layer to support multi-class classification, fine-tuning the pre-trained models on labeled protein datasets, and achieving exceptional performance.
- Demonstrated proficiency in handling diverse file formats commonly used in bioinformatics, including FASTA and OBO.

LFW - People (Face Recognition) 05/2023

- Employed one-shot learning techniques, created Siamese networks with triplet loss as its loss function, to develop a Face Recognition model capable of accurately identifying individuals even with limited training samples, enabling efficient and effective recognition in scenarios with sparse labeled data.
- Extracted facial data from diverse sources, including thousands of images featuring faces of famous individuals, as well as cases with limited data where some faces had only a single example available, demonstrating model versatility in handling varying data scenarios and enhancing the robustness of the Face Recognition model.

Web Scrapping 09/2022

- Developed a web scraping pipeline using Python's Selenium library to extract movie information from IMDB, including details such as titles, release dates, ratings, and cast information, enabling comprehensive data collection for analysis and research purposes.

TECHNICAL SKILLS

Python	SQL	Data Manipulation	Web Scrapping
Machine Learning	Deep Learning	Data Visualization	TensorFlow

EDUCATION

S1 Data Science, BINUS University 2021-2025

- Current GPA : 3.67

SASC Scholarship Mentor 10/2022 - 02/2023

- Provided personalized mentoring and academic support to a diverse group of scholarship recipients, offering guidance on study strategies such as utilizing study resources, goal setting, and overall academic success.
- Conducted regular one-on-one mentoring sessions with scholarship recipients, actively listening to their concerns, offering guidance, and helping them navigate academic and personal challenges.
- Collaborated with fellow mentors to share best practices and enhance the overall mentoring experience.