

# Christensen Mario Frans

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E-Portfolio: <https://mariofrans.netlify.app>

## EDUCATION

### **BINUS International University**

*Bachelor's Degree in Computer Science*

*Jakarta, Indonesia*

*Nov 2019 - Present*

- Overall GPA: 3.82/4.00
- Courses: Data Science, Intelligent Systems, Computational Mathematics, Database Systems, Data Structures & Algorithms, Analysis of Algorithms, Cloud & Distributed Systems, Web Development & Security, Computer Networks & Security, & more

## WORK & COMPETITIVE EXPERIENCES

### **Pintu (Cryptocurrency Exchange)**

*Data Scientist - Full-Time*

*Jakarta, Indonesia*

*Aug 2022 - Present*

- Incorporated Machine Learning and Statistical/Quantitative solutions to assist various business problems in the Financial Industry; such as Fraud Detection & Prevention, Customer Retention, User Segmentation, Process Automation, and many more.
- Generate interactive Data Visualization Dashboards for stakeholders across various departments within the firm; such as Marketing, Finance, Product, & Engineering
- Tech Stack: GCP BigQuery, GCP VertexAI, AWS RedShift, AWS SageMaker, Data Build Tools (DBT), Metabase, & PostgreSQL
- Programming Languages: Python, & SQL

### **Fiverr & Upwork**

*Data Scientist - Freelance*

*International*

*Feb 2022 - Present*

- Developed and delivered clients' Data Science projects (Machine Learning, Statistics, Data Visualization & Analysis) based on their desired requests & requirements.
- <https://www.fiverr.com/fransmario777> | <https://www.upwork.com/freelancers/~01a7518095e3aeae6a>

### **Telkomsel (Telkom Indonesia)**

*Data Engineer - Internship*

*Jakarta, Indonesia*

*Feb 2022 - Jul 2022*

- Developed Data Processing, Visualization, & Analysis projects on behalf of the company's Customer Geospatial data.
- Tech Stack: Docker, Pentaho, Apache Airflow, Apache Hadoop, EasyMorph, & Power BI
- Programming Languages: Python, & SQL

### **Kaggle (Google LLC)**

*30 Days of Machine Learning - International Competition (Top 5% Global Ranking)*

*International*

*Aug 2021 - Sep 2021*

- Participated & Achieved the Top 5% Global Ranking in an International Data Science & Machine Learning Competition amongst thousands of worldwide candidates.
- <https://www.kaggle.com/mariofrans/competitions>

### **CMF Games**

*Founder & Unity Game Developer - Self-Employed*

*Jakarta, Indonesia*

*Jan 2018 - Dec 2018*

- Developed and published 2 Android mobile games; Hoopie and Helicopter Tunnel, on Google Play Store.
- Tech Stack: Unity, & C#
- <https://play.google.com/store/apps/developer?id=CMF+Games&hl=en&gl=US>

## ORGANIZATIONAL EXPERIENCES

### **Teach For Indonesia**

*Content Creator*

*Jakarta, Indonesia*

*Sep 2020 - Feb 2022*

- Filmed, edited, & published educational videos on my YouTube channel for Indonesia.

### **Grab Indonesia**

*Marketing Volunteer*

*Jakarta, Indonesia*

*Aug 2020 - Sep 2020*

- Volunteered with a team to create Marketing & Budgeting plans for 8 different local UMKM businesses to improve their overall sales & profitability.

### **Habitat for Humanity**

*Building Construction Volunteer*

*Jakarta, Indonesia*

*Oct 2017*

- Volunteered to build & paint homes for the less privileged. Awarded as "Volunteer of the Day".

## PROJECTS & PUBLICATIONS

### **Stock Market Statistical Analysis: Investing Versus Trading Strategies**

- Developed a Python Stock Market Trading Simulator to compute various Investing & Trading strategies' results.
- Analysed and compared the results Statistically & Visually using multiple Data Analysis & Visualisation techniques.
- Determined and proved a hypothesis as to which is more profitable in the long term; Passively Investing or Actively Trading.
- Published the research on ISMODE (IEEE)
- <https://ieeexplore.ieee.org/document/9742869>

### **COVID-19 Telegram Chatbot by Employing Machine Learning Algorithms**

- Developed an AI chatbot on Telegram with a team, to assist questions based on COVID-19.
- Implemented 3 different Machine Learning algorithms for Natural Language Processing: SVM, Neural Network, & Naive Bayes.
- Published a research on ICISS (IEEE) to distinguish which of these algorithms are the most efficient and accurate.
- <https://ieeexplore.ieee.org/document/9533198>

### **AI Binary Options Trading Bot**

- Developed a Python Artificial Intelligence Trading Bot that uses Convolutional Neural Network (CNN) for Computer Vision.
- The bot implements Golden Moment, Martingale, & Random (for demo purposes) trading strategies.
- <https://www.youtube.com/watch?v=D9q4O8emVC4>

### **Images Watermark Generator**

- Developed a Bulk Image Cropper & Watermark Generator using Python.
- Implemented Computer Vision and Image Processing techniques to achieve the desired outputs.
- <https://www.youtube.com/watch?v=mBMo85s39Gc>

### **AI Business Transaction Fee Calculator**

- Designed & developed an Artificial Intelligence Transaction Fee Calculator for Businesses, using Linear Regression in Python
- <https://www.youtube.com/watch?v=4gPGGbs-6kE>

### **Pharmacy Inventory & Cashier System**

- Designed & developed an Inventory and Cashier system for Pharmacies in C++
- <https://www.youtube.com/watch?v=14XbWmQQ14s>

### **Helicopter Tunnel (Android Mobile Game)**

- Developed an endless-runner helicopter game using C# and Unity game engine, & published it on Google Play Store.
- <https://play.google.com/store/apps/details?id=com.CMFS.HelicopterTunnel&hl=en&gl=US>

### **Hoopie (Android Mobile Game)**

- Developed an endless-runner basketball game using C# and Unity game engine, & published it on Google Play Store.
- <https://play.google.com/store/apps/details?id=com.CMF.Hoopie&hl=en&gl=US>

## SKILLS

### **Programming Languages**

Python, R, Java, C++, C#, and SQL

### **API Stack**

Tensorflow, PyTorch, Scikit-Learn, Pandas, Numpy, Scipy, Matplotlib, Seaborn, & Plotly

### **Other Skills**

Microsoft Excel, & Google Sheets

## CERTIFICATIONS

### **Amazon.com, Inc.**

AWS Academy: Cloud Foundations

### **Udemy, Inc.**

Deep Learning: Convolutional Neural Networks in Python | Time Series Analysis, Forecasting, & Machine Learning | Financial Engineering & Artificial Intelligence in Python | Master SQL For Data Science |

Advanced SQL: MySQL Data Analysis & Business Intelligence

Intro to Deep Learning | Intermediate Machine Learning | Advanced SQL | Data Cleaning | Feature Engineering | Computer Vision | Natural Language Processing | Data Visualization