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## TIRANA NOOR FATYANOSA

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[GitHub](#)  
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### RESEARCH INTERESTS

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Data Science,  
Natural Language Processing,  
Meta-Learning, and Data Mining.

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### TECHNICAL SKILL

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Python

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## EDUCATION

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### DOCTOR OF PHILOSOPHY, COMPUTER SCIENCE / 2018-2021

Kumamoto University, Japan  
Completing education within 3 years with GPA 3.96.

### MASTER'S DEGREE, COMPUTER SCIENCE / 2016-2017

Brawijaya University, Indonesia  
Completing education within 1.5 years with GPA 3.80.

### BACHELOR'S DEGREE, COMPUTER SCIENCE / 2008-2013

Brawijaya University, Indonesia  
Completing education within 4.5 years with GPA 3.43.

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## EXPERIENCE

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### DATA SCIENCE CONSULTANT / KUMAMOTO UNIVERSITY

Sep 2022 – Present

### RESEARCHER / KUMAMOTO UNIVERSITY

Sep 2021 – Aug 2022

### AI RESEARCH SCIENTIST INTERN / KATA.AI

Nov 2020 – Apr 2021

### QUALITY ASSURANCE SPECIALIST / ANOMADIC

Jul 2017 – Jul 2018

### RESEARCH ASSISTANT / BRAWIJAYA UNIVERSITY

Feb 2016 – Aug 2017

### SOFTWARE ENGINEER / MITRAIS

Jun 2013 – Feb 2016

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## LANGUAGE

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### INDONESIA

Native

### ENGLISH

Fluent

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## AWARDS

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### ACADEMIC EXCELLENCE AWARD

Mar 2022

Recognition for excellent academic performance issued by Kumamoto University.

### BEST SESSION PRESENTER

Oct 2017

Best Session Presenter at International Conference on Advanced Computer Science and Information Systems (ICACSIS).

### BEST PRESENTER

Oct 2016

Best Presenter at International Conference on Sustainable Information Engineering and Technology (SIET).

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## PUBLICATIONS

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- [1] Samuel Cahyawijaya, Holy Lovenia, Alham Fikri Aji, Genta Indra Winata, Bryan Wilie, Rahmad Mahendra, Christian Wibisono, Ade Romadhony, Karissa Vincentio, Fajri Koto, Jennifer Santoso, David Moeljadi, Cahya Wirawan, Frederikus Hudi, Ivan Halim Parmonangan, Ika Alfina, Muhammad Satrio Wicaksono, Ilham Firdausi Putra, Samsul Rahmadani, Yulianti Oenang, Ali Akbar Septiandri, James Jaya, Kaustubh D. Dhole, Arie Ardiyanti Suryani, Rifki Afina Putri, Dan Su, Keith Stevens, Made Nindyatama Nityasya, Muhammad Farid Adilazuarda, Ryan Ignatius, Ryandito Diandaru, Tiezheng Yu, Vito Ghifari, Wenliang Dai, Yan Xu, Dyah Damapuspita, Cuk Tho, Ichwanul Muslim Karo Karo, Tirana Noor Fatyanosa, Ziwei Ji, Pascale Fung, Graham Neubig, Timothy Baldwin, Sebastian Ruder, Herry Sujaini, Sakriani Sakti, Ayu Purwarianti. 2022. [NusaCrowd: Open Source Initiative for Indonesian NLP Resources](#). arXiv.
- [2] Neni Alya Firdausanti, Tirana Noor Fatyanosa, Mahendra Data, Israel Mendonça, and Masayoshi Aritsugi. 2022. [Two-Stage Sampling: A Framework for Imbalanced Classification with Overlapped Classes](#). *International Conference on Big Data*.
- [3] Tirana Noor Fatyanosa, Neni Alya Firdausanti, Luis Japa, Israel Mendonça, Putu Hangga Nan Prayoga, and Masayoshi Aritsugi. 2022. [Conducting Vessel Data Imputation Method Selection Based on Dataset Characteristics](#). *International Seminar on Ocean and Coastal Engineering, Environmental and Natural Disaster Management*.
- [4] Alham Fikri Aji, Tirana Noor Fatyanosa, Radityo Eko Prasajo, Philip Arthur, Suci Fitriany, Salma Qonitah, Nadhifa Zulfa, Tomi Santoso, and Mahendra Data. 2022. [ParaCotta: Synthetic Multilingual Paraphrase Corpora from the Most Diverse Translation Sample Pair](#). *Pacific Asia Conference on Language, Information and Computation*.
- [5] Sari Dewi Budiwati, Tirana Noor Fatyanosa, Mahendra Data, Dedy Rahman Wijaya, Patrick Adolf Telsoni, Arie Ardiyanti Suryani, Agus Pratondo, and Masayoshi Aritsugi. 2021. [To Optimize, or Not to Optimize, That Is the Question: TelU-KU Models for WMT21 Large-Scale Multilingual Machine Translation](#). *Conference on Machine Translation*.
- [6] Tirana Noor Fatyanosa and Masayoshi Aritsugi. 2021. [An Automatic Convolutional Neural Network Optimization Using a Diversity-Guided Genetic Algorithm](#). *IEEE Access*.
- [7] Alham Fikri Aji, Haryo Akbarianto Wibowo, Made Nindyatama Nityasya, Radityo Eko Prasajo, and Tirana Noor Fatyanosa. 2021. [BERT Goes Brrr: A Venture Towards the Lesser Error in Classifying Medical Self-Reporters on Twitter](#). *Social Media Mining for Health (#SMM4H) Workshop and Shared Task*.

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- [8] Sari Dewi Budiwati, Al Hafiz Akbar Maulana Siagian, Tirana Noor Fatyanosa, and Masayoshi Aritsugi. 2019. [Phrase Table Combination Based on Symmetrization of Word Alignment for Low-Resource Languages](#). *Applied Sciences*.
- [9] Tirana Noor Fatyanosa and Masayoshi Aritsugi. 2020. [Effects of the Number of Hyperparameters on the Performance of GA-CNN](#). *International Conference on Big Data Computing, Applications and Technologies (BDCAT)*.
- [10] Sari Dewi Budiwati, Al Hafiz Akbar Maulana Siagian, Tirana Noor Fatyanosa, and Masayoshi Aritsugi. 2019. [DBMS-KU Interpolation for WMT 2019 News Translation Task](#). *Workshop on Statistical Machine Translation (WMT)*.
- [11] Tirana Noor Fatyanosa, Al Hafiz Akbar Maulana Siagian, and Masayoshi Aritsugi. 2019. [DBMS-KU at SemEval-2019 Task 9: Exploring Machine Learning Approaches in Classifying Text as Suggestion or Non-Suggestion](#). *International Workshop on Semantic Evaluation (SemEval)*.
- [12] Tirana Noor Fatyanosa, Wayan Firdaus Mahmudy, and Marjuki, 2019. [Hybrid Modified Evolution Strategies and Linear Programming for Beef Cattle Feed Optimization](#). *International Journal on Electrical Engineering and Informatics (IJEEI)*.
- [13] Tirana Noor Fatyanosa, Fitra A. Bachtiar, and Mahendra Data. 2018. [Feature Selection using Variable Length Chromosome Genetic Algorithm for Sentiment Analysis](#). *International Conference on Sustainable Information Engineering and Technology (SIET)*.
- [14] Tirana Noor Fatyanosa, Wayan Firdaus Mahmudy, and Marjuki, 2018. [A Comparison of Four Types of Evolution Strategies for Beef Cattle Feed Optimization](#). *Journal of Telecommunication, Electronic and Computer Engineering (JTEC)*.
- [15] Tirana Noor Fatyanosa, Fitri Utaminingrum, and Mahendra Data. 2018. [Linear Programming Initialization Method of Evolution Strategies for Beef Cattle Feed Optimization](#). *Journal Of Telecommunication, Electronic And Computer Engineering (JTEC)*.
- [16] Tirana Noor Fatyanosa and Fitra A. Bachtiar. 2017. [Classification Method Comparison on Indonesian Social Media Sentiment Analysis](#). *International Conference on Sustainable Information Engineering and Technology (SIET)*.
- [17] Tirana Noor Fatyanosa, Gusti Ahmad Fanshuri Alfarisy, Arief Andy Soebroto, Fatwa Ramdani, and Wayan Firdaus Mahmudy. 2017. [Extracting Fuzzy Rules and Parameters Using Particle Swarm Optimization for Rainfall Forecasting](#). *International Conference on Advanced Computer Science and Information Systems (ICACSIS)*.
- [18] Gusti Ahmad Fanshuri Alfarisy, Andreas Nugroho Sihananto, Tirana Noor Fatyanosa, M. Shochibul Burhan, and Wayan Firdaus Mahmudy. 2016. [Hybrid Genetic Algorithm and Simulated Annealing for Function Optimization](#). *Journal of Information Technology and Computer Science (JITECS)*.
- [19] Tirana Noor Fatyanosa and Wayan Firdaus Mahmudy. 2016. [Implementation of Real Coded Genetic Fuzzy System for Rainfall Forecasting](#). *International Conference on Sustainable Information Engineering and Technology (SIET)*.