

# DANIEL RIZAL ALONSO

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Undergraduate student from State University of Surabaya with a major in Mathematics. Interested in new things that provide valuable experiences and aspires to intern in the fields of Data Analysis and Actuarial Science. Proficient in data cleaning preparation and analysis.

## Work Experiences

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### Universitas Negeri Surabaya - Surabaya, Indonesia

Sep 2024 - Nov 2024

#### *Differential Calculus Theory Co-Teacher*

A teaching assistant who assists the main lecturer in the teaching process of the Differential Calculus course, particularly in the theoretical aspects. Their primary responsibilities include supporting teaching activities by explaining course material, facilitating discussions, and guiding students to better understand fundamental calculus concepts such as limits, derivatives, and their applications

- Teaching basic calculus concepts and their applications
- Describing derivative functions in Geogebra application
- Coordinate with the main lecturer to ensure consistency in teaching materials and methods

### Badan Pusat Statistik Republik Indonesia - Jakarta, Indonesia

Aug 2025 - Present

#### *Internship*

Badan Pusat Statistik (BPS) is Indonesia's national statistics agency responsible for collecting, analyzing, and providing official data to support government policy-making and national development planning.

- Preparing quarterly financial reports from IDX (Indonesian Data Exchange)
- Data entry/company profiling from the Financial Services Authority (OJK)
- Preparing annual financial statements from E Monitoring

## Education Level

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### State University of Surabaya - Indonesia

Aug 2023 -

#### *Bachelor of Mathematics, 3.89/4.00*

- Qualified for the international class
- Highest Semester Grade Point Average (GPA) in semesters 2 and 4 at the study program level

### State Senior High School 13 of Surabaya - Indonesia

Jul 2020 - Jul 2023

#### *Senior High School, Natural Science*

## Organisational Experience

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### UNESA Protestant Christian Spirituality Unit - Indonesia

Mar 2024 - Jan 2025

#### *Public Relation*

A section of the Student Activity Unit that organizes spiritual activities such as prayer meetings for all Christian students at UNESA.

- Managed partnerships and coordinated promotional activities
- Establishing media partners/promoters between each study program for event activities
- Ensuring that every administrator attends meetings

## Skills, Achievements & Projects

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- **Achievements** (2023): Top 5 Medspin tryouts at the Faculty of Medicine, Airlangga University
- **Achievements** (2025): Received a recommendation to participate in a competition at MaG-D Bandung Institute of Technology
- **Projects** (2024): Making comparisons of the most popular types of motorcycles in the UNESA area based on questionnaires and using the AHP method
- **Projects** (2024): Creating a 3D map of Surabaya city tourism using the Icograms website.
- **Projects** (2025): Creating a booking website containing static data structures, sorting algorithms, and search algorithms.
- **Projects** (2025): Production of microlearning videos by Badan Pusat Statistik using AI, ranging from cloning presenter audio (using a program from an AI website), presenter lip-syncing and gestures (using AI), email cloning, and animation editing (using the After Effects program).
- **Projects** (2025): Calculation of Digital GDP using Excel based on the Indonesian Input-Output table released by the Central Statistics Agency. Here, I created the Leontif Coefficient Matrix and Leontif Inverse Matrix, which form the basis for calculating Digital GDP
- **Hard Skills** (2025): Python, Data visualization, Data Cleaning, Microsoft Excel, RStudio, After Effects
- **Soft Skills** (2025): Public Speaking, Problem Solving, Creative Thinking