

Yehezkiel David Setiawan

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[LinkedIn](#) - [Github](#) - <https://yehezkiel.netlify.app/>

Fresh graduate in informatics engineering with a background in backend development and the application of generative AI. Experienced in designing scalable systems, optimizing processes, and implementing innovative solutions. Skilled in programming, project management, and team collaboration to create impactful technology.

EDUCATION

Maranatha Christian University

Magister of Computer: Computer Science

2025 - 2026

Expertise : Big Data Analyst & Data Science

GPA : -/4.00

Bachelor of Computer: Informatics Engineering

2021 - 2025

Expertise : Backend Development & Prompt Engineering

GPA : 3.96/4.00

INTERNSHIP EXPERIENCE

WIT.ID

Bandung, Indonesia

Fullstack Development

09/23 – 06/24

Expertise : Laravel & Golang

- Rebuild WIT internal system (WSystem) with microservices (REST API)
- Add several features : attendance tracking, leave request, curriculum vitae generation, inventory management, and project management (1:1 Trello) system
- Led backend development team for intern projects, ensuring efficient API development and system scalability.

Maranatha Christian University

Bandung, Indonesia

Laboratorium Coordinator

01/24 – 02/25

- Supervised and maintained 150 computer in 4 labs, ensuring seamless operations.
- Conducted hardware/software troubleshooting and enforced security protocols.
- Led the Advanced Programming & Networking Laboratory, mentoring students on system administration.

Laboratorium Staff

01/23 – 01/24

- Ensure 150 computer in 4 labs function properly and regularly.

Lecturer Assistant

2022-2025

Provided assistance in various courses, including:

- Big Data Analytics & Machine Learning – Guided students in data processing and predictive modeling.
- Advanced Web Programming & Advanced Database – Assisted in developing scalable web applications and database management.
- Basic Web Programming, Basic Database, & Basic Programming – Supported students in fundamental coding, database design, and web development concepts.

PROJECT

SSTRANGE 2024-2025

Scalable Similarity Tracker in Academia with Natural Language Explanation

Fullstack Development & Generative AI Implementation

Bachelor's Thesis in Informatics Engineering

Corresponding Paper : [IEEE TALE 2025](#) (still in writing), [IEEE ICALT 2025](#) (currently under review), [MDPI](#)

ESTRANGE 2024-2025

Educational Similarity Tracker in Academia with Natural Language Explanation

Revitalization Features & Frontend

Research Project

e-strange.org

Natural Language Processing Project 2024-2025

Development of an Adaptive Chatbot with Personalization Using Retrieval-Augmented Generation Based on Generative AI

Final Assignment Natural Language Processing

[ParkSphere](#)

Backend Web Project 2023

Perwalian

Final Assignment Advanced Web Programming

[github/ProjectUASPWL](https://github.com/ProjectUASPWL)

PUBLICATION

The Computer Journal

Detecting GenAI Assistance in Programming with Over-Uniqueness and Sample Matching

Publisher : Oxford University Press

Paper : [Camera Ready Version](#) (currently under review)

IEEE ICALT 2025

Web-based Similarity Detector for Identifying Programming Plagiarism

Publisher : IEEE International Conference on Advanced Learning Technologies (Changhua, Taiwan)

Track : Technology-Enhanced Technology-enhanced Assessment in Formal and Informal Education (TeASSESS)

Paper : [Camera Ready Version](#) (currently under review)

ICSTHE 2024

ParkSphere: Smart Mobility Solution for Sustainable Urban Parking and Carbon Emission Reduction in the Framework of Inclusive Smart Cities

Publisher : T.B.A (will publish in [KNE](#))

Certificate : [Author](#) & [Speaker](#)

Paper : [Camera Ready Version](#)

JAIC 2024

ChatGPT Impact Analysis on API Testing: A Controlled Experiment

Publisher : Journal of Applied Informatics and Computing (Politeknik Negeri Batam)
Vol. 8 No. 2 (2024)

DOI : doi.org/10.30871/jaic.v8i2.8182

KONSTELASI 2024

Transformasi Ekosistem Digital melalui Implementasi Super App untuk Meningkatkan Administrasi Kantor

Publisher : KONSTELASI (Atma Jaya University Yogyakarta) Vol. 4 No. 1 (2024)

DOI : doi.org/10.24002/konstelasi.v4i1.9179

IEEE TALE 2023

Plagiarism and AI Assistance Misuse in Web Programming: Unfair Benefits and Characteristics

Publisher : IEEE International Conference on Teaching, Assessment and Learning for Engineering (Auckland, New Zealand)

ISBN : 978-1-6654-5331-8

DOI : doi.org/10.1109/TALE56641.2023.10398397

ORGANIZATION EXPERIENCE

WIT.ID

Bandung, Indonesia

MORPH IT DIGIFORM FEST

08/24 – 11/24

Head Organizer

Maranatha Christian University

Bandung, Indonesia

FACULTY STUDENT SENATE

President

02/23 – 01/24

- Manage 16 programs of student activities in the Faculty
- Lead, coordinate, control and monitor the implementation of policies and programs in each field.
- Representing SEMAFIT in external relations or with other parties. Collaborating with Google Developer Group, IBM, Red Hat, Amazon Web Services, WIT.ID, IT BCA, CTI Corporation.

Academic Coordinator

02/22 – 01/23

- Manage 4 programs of student academic activities in the Faculty
- Lead, coordinate, control and monitor the implementation of student academic activities.

Google Developer Group

Bandung, Indonesia

GOOGLE DEVFEST

12/23

Person in Charge of the University

IEEE

Bandung, Indonesia

ICE-SMARTECH

06/23

VIP usher & Parallel Session Organizer

ACHIEVEMENT

Fullstack Web Competition

Green Mobility Hub

08/24

Web Development

Satya Wacana Christian University

[1st Place](#)

Web application that offers comprehensive solutions to enhance energy efficiency and urban planning.

[github/GreenMobilityHub \(Backend\)](#) and [github/GreenMobilityHub-Admin \(Frontend\)](#)

UnivAssist

08/23

Web Development

Satya Wacana Christian University

[4th Place](#)

Web application that offers rental services for boarding houses, laptops and lecture books as a very meaningful solution for students.

[github/UnivAssist](#)

Business Plan Competition

AgriSense

06/24

Business Plan

Tarumanagara University

[3th Place](#)

An innovative platform for agricultural monitoring based on AIOT (Artificial Intelligence of Things). Platform to improve sustainable agricultural practices in Indonesia.

Frontend Web Competition

KulitAbdi

03/23

Web Design Competition

Atma Jaya University Yogyakarta

[Top 5 finalist](#)

Leather fashion web application that has developed by creating its ecommerce website using 3D media.

<https://kulitabdico.netlify.app/>

Credition

04/22

Web Design Competition

Atma Jaya University Yogyakarta

[3rd Place](#)

Web Design prototype that serves credible information search and hoax reporting services.

<https://creditionwdc.netlify.app/>

CERTIFICATION

AWS ACADEMY GRADUATE – Amazon Web Service

AWS Academy Introduction to Cloud Semester 2

06/23

[Credentials](#)

AWS Academy Introduction to Cloud Semester 1

06/22

[Credentials](#)

SKILLS

Languages	: Indonesia (Native), English (Intermediate)
Soft Skills	: Teamwork, Communication, Problem Solving
Programming Languages	: Javascript, PHP, Python, Go
Database Technology	: MySQL, MS SQL, Firebase
Technologies	: Git, Postman