



Samuel Theodore Gunawan

AI Engineer and Full-Stack Software Developer

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About Me

An undergraduate student with an upcoming double degree in Computer Science from Sampoerna University and University of Arizona. A programming and AI enthusiast with over 8 years of organizational experience. Possesses exemplary leadership that has been nurtured in multiple organizations. I'm interested in roles dealing with software development, project management, and AI engineering.

Skills & Competencies

- Fluent in English and Bahasa Indonesia
- Knowledgeable in OOP programming and analytical mathematics
- Experienced in Machine Learning and Deep Learning engineering
- Excellent in event organizing and project management

Work & Volunteer Experience

PT Surya Madistrindo (Jakarta, Indonesia)

May 2025 – Aug 2025

IT Support & App Developer Intern

- A 3-month internship where I managed the end-to-end software development lifecycle and full-stack implementation using Golang, Angular, and PostgreSQL. The project concerned a stock opname web application for internal use, from stakeholder requirement gathering to final Docker deployment.

Webverse (Indonesia)

Apr 2023 – Sept 2024

Web Developer

- A freelance web developer for a startup web agency responsible for developing using Wordpress.

Google Developer Student Clubs (Jakarta, Indonesia)

Aug 2023 – June 2024

Lead

- Organized events and workshops to foster a community of student developers.

TEDx Sampoerna University (Jakarta, Indonesia)

Nov 2023 – Mar 2024

IT Personnel

- Responsible for sound system and content display in a half-day seminar at Taman Ismail Marzuki.

Festival of Engineering and Technology (Jakarta, Indonesia)

Nov 2023 – Feb 2024

Head of Event

- Managed a team of 6 to run a 2-day technology exhibition held at Lippo Mall Puri.

BEM KM Faculty of Technology and Engineering (Jakarta, Indonesia)

Aug 2023 – June 2024

Internal Development Team

- Responsible for BEM member's and faculty student's support. Also served as the Head of Event in a faculty-wide 3-day bonding trip.

OSIS Pelangi Kasih School (Jakarta, Indonesia)

Oct 2017 – Oct 2020

Vice President

Oct 2018 – Oct 2020

- Shared duties with the President of OSIS and co-pioneered online activities for all OSIS events.

Boys Brigade 1st company Jakarta (Jakarta, Indonesia)

Jul 2016 – Now

Chairman of BB

Jul 2020 – Jun 2021

- Oversaw the entire BB activities and curriculum while leading a council of 34 members.

Education

Sampoerna University (Jakarta, Indonesia)

2022 – 2026

Majoring in Computer Science, receiving S1 Komputer
Current CGPA: 4.0

University of Arizona (Tucson, Arizona)

2022 – 2026

Majoring in Electrical Engineering, receiving Bachelor of Science
Current CGPA: 4.0

Projects

Handwritten Mathematical Expression Recognition (HMER) AI Model | *PyTorch, Angular* Aug 2025 – Jun 2026

Solo Project

- My undergraduate thesis where I designed an AI model from scratch to recognize human handwriting for math and translate it to LaTeX (digital math). Also built a custom web interface for users to try the AI with digital tablets.

Oxford Application Website | *HTML, CSS, JS, PHP, SQL, Figma*

Feb – Jun 2025

Project Manager

- Managing a team of 4 to re-design and develop a functional course application for Oxford University, bringing the paper-based form to a web-based form with 3 different user roles and dashboards.

Jlaja Android Application | *Kotlin, Java, Figma*

Aug – Dec 2024

Project Manager

- Managed a team of 7 developers and developed an original, all-in-one, Android travel app that includes an AI-powered travel guide assistant, chat messenger, trip planners, and authentication.

GenLingo | *Python, HTML, CSS*

Aug 2024

AI Engineer & Full-stack developer

- Developed a web-app using Python that includes a search engine and a Gen Z and Alpha style AI chatbot using Falcon 180B language model. Engineered and trained the AI as well.

Napy.id | *Figma, Python, HTML, CSS, JS*

July 2024

UI/UX designer

- Designed a web-based dashboard for Napy.id, a job-finding platform that specifically assist ex-convicts.

BEM KM Websites & ISMKI Website | *Wordpress, HTML, CSS, PHP*

Jan 2023 – Aug 2024

Project Supervisor, Web Developer

- Lead the development of BEM KM FET website (engineering faculty) in and developed a website for the *Ikatan Senat Mahasiswa Kedokteran Indonesia* (ISMKI) in 2023.
- Supervised the development of all BEM KM websites (4 websites in total) and single-handedly developed the BEM KM FET website using Wordpress in 2024.

ScholaCash Mobile Prototype | *Figma*

June 2023 – Aug 2023

UI/UX designer

- Designed the UI/UX of a mobile application “ScholaCash”, an app that promotes financial literacy and integrated within an educational institute. This is then awarded 1st place in a prototype competition.

Honors & Awards

Go Basic Proficiency | Issued by HackerRank in July 2026

Java Basic Proficiency | Issued by HackerRank in July 2026

1st Place Mobile Prototype Cyber Tech Competition | Issued by Cyber University in August 2023

SPARK Scholarship Recipient | Issued by Sampoerna University in August 2022

Python Basic Proficiency | Issued by HackerRank in June 2022

Essayist | Issued by SMA Pelangi Kasih in June 2022

BB Eagle Award | Issued by Boys Brigade Indonesia in June 2022