STEFAN AGUSTO HUTAPEA

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Motivated final year computer engineering student at Universitas Indonesia with strong technical skills in iOS & Web Development, AI, and Machine Learning. Experienced in product management, research, and problem-solving, with a passion for technology strategy and business transformation. Proven ability to work in diverse teams, develop innovative solutions, and deliver impactful projects.

Education Level

Universitas Indonesia - Depok, Indonesia   Aug 2021 - Aug 2025 (Expected)

Undergraduate Computer Engineering, 3.73/4.00

- 5th Winner of Techready Redhat IT Aptitude Test STEM Competition by Kominfo

Work Experiences

Tower Bersama Group - Jakarta   Jan 2025 - Jun 2025

IT Software & Product Development Intern

.NET, Notion, Javascript, QA, SQL Server, jQuery

- Designed and implemented an HTTP performance logging system for all TBIG product APIs, enabling real-time monitoring across IT divisions. Integrated a data pipeline using RabbitMQ to collect and stream performance metrics, and visualized the data using Elasticsearch and Kibana, allowing section heads to monitor API health in real time. This initiative improved observability and feedback loops, significantly enhancing system reliability and development efficiency.
- Spearheaded a task force to implement Dependency Injection (DI) across legacy systems in TBIG's internal websites. This effort reduced open connection issues and improved system efficiency, cutting average load time by up to 50% and streamlining code maintainability.
- Drafted and delivered a comprehensive Product Requirements Document (PRD) for an IT Security Risk Score Monitoring System, enabling IT Security to track user risk levels based on device behavior, app usage, and phishing simulation results. Improved proactive security response and visibility across all users.Collaborated cross-functionally with product managers and QA teams to test and optimize over 10 internal IT products, increasing overall testing coverage and boosting delivery productivity by 25%.

Apple Developer Academy @BINUS - Tangerang Selatan   Mar 2024 - Dec 2024

Product Manager

Swift, SwiftUI, Figma, Trello, UIKit

- Led the creation of 4 Product Requirement Documents (PRD) for diverse iOS projects, delivering end-to-end solutions using various technologies: a CreateML-powered machine learning app and a YOLO-based object detection system, an interactive iOS game that impressed both interns and mentors, a gym tracking app analyzing user behavior and progress, and an AR-based gameplay experience. Delivered each project to stakeholders with working MVPs.
- Implemented structured software product management workflows using Trello, Miro, and Notion to coordinate sprints, manage development cycles, document product research, and ensure effective communication across development and design teams.
- Conducted extensive field research and stakeholder interviews to uncover real-world problems, validate product-market fit, and assess technical and business risks before delivery—ensuring each product was strategically aligned and grounded in user needs as their solutions.

Tanoto Foundation - Jakarta   May 2024 - Sep 2024

Assistant Project Manager

- Managed multiple projects, including SDG Powerhouse, SDG Academy Indonesia, and the annual SDGs Conference, as well as the Game Ideation Competition. Enhanced skills in game design using MDA Frameworks to enhance game creation experience
- Collaborated with prominent partners like UNDP and Bappenas to drive sustainable development goals, ensuring effective project execution and fostering innovative solutions.

GMF Aeroasia - Tangerang   Jan 2024 - Feb 2024

Web/App Developer Intern

Python, PHP, Moodle, Tailwind, React, Javascript, Matlab

- Spearheaded the seamless migration of GMF Aeroasia's LMS website from Moodle 3.0 to Moodle 4.0, ensuring a smooth transition for employees accessing learning materials and participating in examinations.
- Implemented a robust data processing solution using Python in Jupyter Notebooks by using script to effectively simplified and cleared data, enhancing overall efficiency in tracking and assessing learning outcomes.

Organisational Experience

TSA Universitas Indonesia Jan 2023 - Jan 2024

Manager of Relation

- Collaborate with external organizations such as the Tanoto Foundation, TSA from other universities, and alumni to achieve successful outcomes.
- Demonstrated leadership in organizing events for the Tanoto Foundation at Universitas Indonesia, fostering communication and information sharing between external organizations and Tanoto Scholars.
- Successfully create and moderate an event with Apple Developer Academy to celebrate "International Women in ICT Day" with total 800+ Instagram user participants during Instagram Live

Pay It Forward (PIF) TSA Universitas Indonesia Sep 2022 - Oct 2023

Human Relation Staff

- Established relationships with senior high schools in West Java and conducted focus group discussions with students on the Sustainable Development Goals (SDGs)
- Educated high school students on the SDGs and conducted a survey to gather insights on students' understanding and awareness of the goals.
- Creating SDGs module about Tolerance and Diversity for high schools students and seeking solutions for the current problems high schools students face.

Skills, Achievements & Other Experience

- **Scholarship** (2021): TELADAN Leadership Awardee by Tanoto Foundation
- **Technologies**: Product Management, iOS Development, AR/VR, IoT, Machine Learning, Web Development, Project Management
- **Programming & Tools**: ASP.NET, C#, Next.JS, Swift, Python, C, Java, HTML/CSS, JavaScript, React, SwiftUI, Figma, SQL, Git
- **Hard Skills**: IT Strategy & Transformation, Research & Data Analysis, Business Acumen, Cloud & Current IT Trends
- **Soft Skill**: Communication, Teamwork, Leadership, Problem Solving, Analytical Thinking, Adaptability & Learning Agility
- **Language**: English (537 TOEFL ITP Score), Indonesia (Native)
- **iOS Projects**: Gym Calculator App, Penguin iOS Games, Summarize iOS App, AR Games App, Premedical Checkup for Deaf People Machine Learning App
- **Android Projects**: Hotel Booking App, Food Ingredients Delivery App
- **Website Projects**: Cinema Ticketing Website, GMF Moodle Web App for Company Employees, Improvement Website for FE Team