

Giovanka Steviano Harry Premono

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PROFILE

Fresh Informatics graduate from Duta Wacana Christian University with hands-on experience as a Teaching Assistant in AI for Trading, Investment Technology, and Capital Markets. Undergraduate thesis focused on an SVM-based algorithmic trading strategy for Indonesian energy sector stocks, with findings accepted for publication in a peer-reviewed journal (2026). Seeking an entry-level role in Machine Learning, Data Analytics, or Quantitative Research within securities, capital markets, or fintech.

EDUCATION

Duta Wacana Christian University – Bachelor of Informatics Yogyakarta, Daerah Istimewa Yogyakarta
GPA: 3.74/4.00 August 2022 – June 2026

- Proficient in Python and JavaScript, studied Informatics with focus on machine learning, backend development, cloud computing, and algorithmic trading.

PUBLICATION

Premono, G. S. H., Haryono, N. A., & Lukito, Y. (2026). Implementasi Trading Strategy pada Saham Sektor Energi dengan Support Vector Machine dan Indikator Teknikal. *Jurnal Informatika: Jurnal Pengembangan IT (JPIT)*, 11(2). (Accepted, forthcoming)

EXPERIENCE

Teaching Assistant - AI for Trading August 2025 – June 2026
Duta Wacana Christian University

- Assisted in delivering AI/ML course activities for financial trading, supporting hands-on Python learning for data analysis, trading strategy implementation, and backtesting.
- Guided students in applying ML models (KNN, ANN, Decision Tree, Random Forest, Boosting) through project-based trading system development, model evaluation, and performance analysis.

Teaching Assistant – Investment Technology and Capital Market Course Feb 2026 – June 2026

- Assisted in delivering course activities on investment technology, capital markets, and financial trading, covering risk-return analysis, and portfolio management.
- Facilitated case studies on trading strategies, market microstructure, technical & fundamental analysis, and AI/ML applications in portfolio evaluation.

PROJECTS

Sahamath – IDX Stock Calculator

Tech: [JavaScript] [React] [Node.js] [Python] [HTML/CSS] [Netlify] <https://sahamath.netlify.app>

- Built a web-based IDX stock calculator that helps traders calculate average price, ARA/ARB limits, profit, position sizing, and dividend yield, with an AI-powered analyzer to support data-driven trading decisions.

SweetTrack – Diabetes Risk Detection

October 2024 – December 2024

Tech: [Express.js] [REST API] [Google Cloud Platform] Bangkit Academy Capstone

- Led a team of 6 in developing and deploying an Android-based diabetes risk detection application on Google Cloud Platform, successfully delivering a functional ML-integrated backend as a part of Google's Bangkit Academy Capstone

DutaShell – Expert System with SVM

September 2025 – December 2025

Tech: [Python] [Scikit-learn] [SVM] [PHP] [Laravel] Research Collaboration, UKDW

- Developed and integrated SVM as an additional inference method into DutaShell, a web-based expert system shell, extending the platform's classification capabilities with a machine learning approach.

CERTIFICATION

- Pearson – IT Specialist Python April 2026 – April 2031
- IBM – Data Classification and Summarization Using IBM Granite June 2025
- Dicoding – Cloud Practitioner Essentials April 2024 – April 2027