Steven Prasetya

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EDUCATION

UCLA ANDERSON SCHOOL OF MANAGEMENT — Los Angeles, CA
Master of Financial Engineering — Expected Dec 2027

UNIVERSITY OF CALIFORNIA, LOS ANGELES — Los Angeles, CA
B.A., Economics — Jun 2022

SKILLS

- *Technical Skills:* Python, C++, Excel, Bloomberg
- *Finance:* Financial modeling, valuation (DCF, discount-to-NAV, comparables), sensitivity & scenario analysis

EXPERIENCE

SAMUEL SEKURITAS INDONESIA — Jakarta, Indonesia
Indonesian securities brokerage — Jul 2024 – Jul 2025
Equity Research Analyst

- Conducted equity research across the renewable energy and oil & gas sectors, tracking company fundamentals and broader developments in Indonesia's energy transition and state energy strategy.
- Built and maintained detailed asset- and company-level financial models, including DCF valuations, discount-to-NAV frameworks, peer metrics, and other valuation methodologies suited to each asset structure.
- Stress-tested a geothermal power producer's valuation against state utility PLN's PPA tariffs and maintenance downtime, identifying where the investment thesis breaks.
- Wrote equity reports and quarterly updates on covered companies, from financial model to recommendation.
- Coordinated meetings with investor relations teams to deepen understanding of business models, operating assumptions, and strategic direction, incorporating insights into valuations and investment theses.
- Developed a Python-based news scraping tool to automate daily research gathering for the morning report.

SALT VENTURES — Jakarta, Indonesia
Venture capital firm — Jul 2023 – Jul 2024
Associate

- Assisted investees in controlling cash burn rate through optimizing product development priorities.
- Reviewed published research reports to identify industries with strong prospects for market capitalization growth.
- Organized due diligence and built a DCF model for a mining contractor whose IPO the firm was advising.

PROJECTS

IDX Informed-Trading Research *(Python)* — Jan 2026 – Present

- Built a data pipeline that scrapes IDX running-trade data for 70 stocks with broker attribution and aggregates ticks into dollar bars for feature estimation.
- Tested broker-flow Shannon entropy and VPIN as informed-trading signals.
- Exploratory tests showed signals co-moving across banks that required separation of sector-wide effects from stock-specific activity.

C++ Option Pricing *(QuantNet C++ Programming for Financial Engineering)* — Jan 2026 – Apr 2026

- Implemented closed-form pricers in C++ for European options (Black-Scholes) and perpetual American options, including Greeks and put-call parity checks.
- Priced options numerically with Monte Carlo simulation and finite difference methods.
- Designed the pricing library with object-oriented C++, the STL, and Boost.

ADDITIONAL INFORMATION

- *Languages:* Indonesian (native), English (native)
- *Interests:* Games (Esports & Puzzles), Sports (Table Tennis)