

Ed Balasingham

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Piedmont High School, rising senior looking for summer internships. Accelerated in mathematics and has a strong interest in software development. Completed BC Calc as a Freshman, Multivariate Calculus, Linear Algebra (Sophomore), Discrete Math. Intends to complete Differential Equations by summer of 2026. Enjoys coding, proficient in Python, C++, SQL.

EMPLOYMENT HISTORY

Tanius Technology, San Francisco Bay Area

Summer 2025/2024/2023

Tanius is a proprietary high frequency trading firm that trades in futures across all major commodity classes.

Paid Summer Intern 2025

- Extended WebSocket client API to support live and historical market data, enabling a new trading team to integrate seamlessly with the existing platform.
- Automated tools to retrieve real-time/historical market data, streamline data access for trading teams

Paid Summer Intern 2024

- Wireshark dissectors in C to analyze/parse network protocol packets for Eurex, CME, and CFE exchanges.
- A Python API library to seamless access to event and market data from Tanius proprietary tick database.
 - Efficient search for specific events and trades. and access to historical tick-level data for in-depth analysis.
 - Retrieval of market data based on user-defined parameters.
 - Built example code to demonstrate practical use cases of the library, facilitating adoption/integration.

Paid Summer Intern 2023

- Created detailed automated audit reports and messaging statistics by parsing drop copy files from CME, ICE, and Coinbase, enabling precise tracking and analysis of trading activity.
- Designed tools to accurately align and compare live trading results with simulated outcomes, ensuring consistency and detecting discrepancies between real-time and simulated environments.
- Processed and structured economic event data from sources including Investing.com, ForexFactory, TreasuryDirect, DailyFX, and Trading Economics for integration into the trading platform.

EDUCATION

- Piedmont High School, expected graduation 2027
 - 2025 ACT Score: 35 - Taken once.
 - 2025-26 Discrete Math(A) & Differential Equations at Laney College.
 - 2025-26 AP Physics C (Mechanics, E&M), AP Chemistry, AP US History.
 - 2024-26 TA for BC Calc & Peer Tutor at PHS.
 - 2024-25 Multivariate Calculus(B+) & Linear Algebra at Laney College(A).
 - 2023-24 AP Calculus BC(5), AP Computer Science(5).
 - 2022-23 AP Calculus AB(5) (8th grade, self studied)

MISC

- FRC Robotics, Hardware/Design for Team 8033, 2023-Present.
 - Proficient in 3d modeling software. Onshape, KiCad.
 - Solely designed the chassis for the Cadathon 2025 submission <https://tinyurl.com/currybot>
- FTC Robotics Software, 2021-2023.
- Disassembling chromebooks, flash custom firmware and replace OS with Arch Linux.
- Boys Scout, Life Rank, Senior Patrol Leader.